

PRECISION SURFACES INTERNATIONAL, INC.

922 ASHLAND STREET
HOUSTON, TEXAS 77008-6734

+1-713-426-2220

800-843-0950

FAX +1-713-426-2223

FAX 800-414-1644

www.psidragon.com

info@psidragon.com

CONSUMABLES FOR METALLOGRAPHY

ABRASIVE BELTS, DISCS, ROLLS

DIAMOND TILE DISCS

ABRASIVE CUT-OFF WHEELS

FIELD METALLOGRAPHY

DIAMOND COMPOUNDS

LAPPING FILM

DIAMOND SUSPENSIONS

MAGNETIC MANAGEMENT SYSTEM

DIAMOND DISCS

MICROFINISHING FILM ABRASIVES

DIAMOND LAPPING FILM

MOUNTING SUPPLIES

DIAMOND MICROFINISHING FILM

POLISHING CLOTHS

DIAMOND SPOT DISCS

POLISHING PAPERS

DIAMOND CLOTH DISCS

POLISHING POWDERS



QUALITY PRODUCTS, PRICED REASONABLY, DELIVERED PROMPTLY
2016

AS A CUSTOMER OF PSI, YOU WILL LIKE TO KNOW:

1. Your complete satisfaction is our primary goal.
2. You are always assured of receiving the finest quality products available.
3. Your purchasing convenience is an important part of our service. Our toll-free line allows you to order nine hours a day. If you prefer to order by FAX, you may do so at any time of the day or night at 713-426-2223. Orders are also accepted via e-mail to psiorders@psidragon.com or through our web store at www.psidragon.com.
4. You are assured of receiving the best prices possible. You be the judge; compare our prices.
5. Your order will be processed quickly and efficiently. If we cannot ship your order within ten working days, you will be advised.
6. Prices are subject to change. You will be advised of any price change at time of order.
7. Orders are shipped F.O.B. PSI. We will prepay and add the freight charges to the invoice. U.S. Department of Transportation defined "Hazardous Materials" will be packaged as required and a carrier's surcharge will be added to the invoice.
8. Our payment terms are Net 30 Days, with approved credit.
9. We accept **VISA, MasterCard, American Express and Discover** charge cards.
10. Quantity discounts are available as shown.

***We appreciate your business.
Our prosperity and very existence is totally dependent on our customers' good will.***

Important notice to the purchaser:

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties expressed or implied: Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use or the inability to use the product. Before using, user shall determine the suitability of the product for it's intended use, and user assumes all risk and liability whatsoever in connection therein. No statement or recommendation not contained herein shall have any force or effect unless in an agreement by officers of seller and manufacturer.

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The following trademarks are used throughout this catalog.

Trademark	Owner
Buehler®	Buehler, LTD
Dremel®	Dremel
Koldmount®	Vernon-Benshoff Co., Inc.
Norton®	Saint-Gobain Abrasives, Inc.
Struers®	Struers, Inc.
Raytech®	Raytech Corporation

OPERATION: SECTIONING

PRODUCT: PSI ABRASIVE CUT-OFF WHEELS

PSI Abrasive Cut-Off Wheels, manufactured by Allison Abrasives, are used to section ferrous and non-ferrous metals and non-metallics. Abrasive Cut-Off Wheels function by "cutting" material with abrasive particles bonded in a resin rubber or rubber matrix. Abrasive Cut-Off Wheels are designed to wear away, exposing new, sharp, abrasive particles. PSI Abrasive Cut-Off Wheels are a carefully formulated combination of particle type, particle size, and wheel hardness to prevent burn and distortion, yet provide maximum useful life. PSI Abrasive Wheels with aluminum oxide (Al_2O_3) as the cutting abrasive are generally used for the cutting of steel, most other metals, and alloys. PSI Abrasive Wheels with silicon carbide (SiC) as the cutting abrasive are used for cutting glass, some ceramics, other non-metallic materials and some exotic alloys.

RECOMMENDED USE	WHEEL SIZE	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
 VERY HARD STOCK, Rc60+, Al ₂ O ₃ , Resin Rubber Bond, 10/box	9"x.075"x1.25" (229x1.9x32mm)	PSI-110-9	Call for pricing or Register on the web store		
	10"x.075"x1.25" (254x1.9x32mm)	PSI-110-10			
	12"x.093"x1.25" (305x2.4x32mm)	PSI-110-12	Register at www.psidragon.com		
	14"x.093"x1.25" (356x2.4x32mm)	PSI-110-14			
 HARD STOCK, Rc45-60, Al ₂ O ₃ , Resin Rubber Bond, 10/box	9"x.075"x1.25" (229x1.9x32mm)	PSI-112-9	Contact us at info@psidragon.com		
	10"x.075"x1.25" (254x1.9x32mm)	PSI-112-10			
	12"x.093"x1.25" (305x2.4x32mm)	PSI-112-12	Call us at +1-713-426-2220 or 800-843-0950		
	14"x.093"x1.25" (356x2.4x32mm)	PSI-112-14			
 MEDIUM STOCK, Rc30-45, Al ₂ O ₃ , Resin Rubber Bond, 10/box	9"x.075"x1.25" (229x1.9x32mm)	PSI-116-9	Call for pricing or Register on the web store		
	10"x.075"x1.25" (254x1.9x32mm)	PSI-116-10			
	12"x.093"x1.25" (305x2.4x32mm)	PSI-116-12	Register at www.psidragon.com		
	14"x.093"x1.25" (356x2.4x32mm)	PSI-116-14			
 SOFT STOCK, Rc20-35, Al ₂ O ₃ , Rubber Bond, 10/box	9"x.063"x1.25" (229x1.6x32mm)	PSI-120-9	Contact us at info@psidragon.com		
	10"x.063"x1.25" (254x1.6x32mm)	PSI-120-10			
	12"x.063"x1.25" (305x1.6x32mm)	PSI-120-12	Call us at +1-713-426-2220 or 800-843-0950		
	14"x.093"x1.25" (356x2.4x32mm)	PSI-120-14			
 ULTRA THIN, DELICATE, Al ₂ O ₃ , Rubber Bond, 10/box	9"x.032"x1.25" (229x0.8x32mm)	PSI-114-9	Call for pricing or Register on the web store		
	10"x.032"x1.25" (254x0.8x32mm)	PSI-114-10			
	12"x.045"x1.25" (305x1.1x32mm)	PSI-114-12	Register at www.psidragon.com		
 HARD NON-FERROUS, SiC, Resin Rubber Bond, 10/box	9"x.075"x1.25" (229x1.9x32mm)	PSI-111-9			
	10"x.075"x1.25" (254x1.9x32mm)	PSI-111-10	Contact us at info@psidragon.com		
	12"x.105"x1.25" (305x2.7x32mm)	PSI-111-12			
For: Glass, Rock	14"x.105"x1.25" (356x2.7x32mm)	PSI-111-14	Call us at +1-713-426-2220 or 800-843-0950		
 MEDIUM NON-FERROUS, SiC, Resin Rubber Bond, 10/box	9"x.075"x1.25" (229x1.9x32mm)	PSI-113-9			
	10"x.075"x1.25" (254x1.9x32mm)	PSI-113-10	Call for pricing or Register on the web store		
	12"x.105"x1.25" (305x2.7x32mm)	PSI-113-12			
For: Ur, Ti, Zr	14"x.105"x1.25" (356x2.7x32mm)	PSI-113-14	Register at www.psidragon.com		
 SOFT NON-FERROUS, SiC, Resin Rubber Bond, 10/box	9"x.075"x1.25" (229x1.9x32mm)	PSI-115-9			
	10"x.075"x1.25" (254x1.9x32mm)	PSI-115-10	Contact us at info@psidragon.com		
	12"x.105"x1.25" (305x2.7x32mm)	PSI-115-12			
For: Al, Brass	14"x.105"x1.25" (356x2.7x32mm)	PSI-115-14	Call us at +1-713-426-2220 or 800-843-0950		
FERROUS Rc50+, Al ₂ O ₃ , 10/box	12"x.100"x1.38" (305x2.5x35mm)	PSI-118A-12			
FERROUS Rc50-, Al ₂ O ₃ , 10/box	12"x.100"x1.38" (305x2.5x35mm)	PSI-118B-12	Call for pricing or Register on the web store		
NON-FERROUS, SiC, 10/box	12"x.100"x1.38" (305x2.5x35mm)	PSI-118C-12			
 SMALL CUT OFF WHEELS, Al ₂ O ₃ , Rubber Bond, 10/box	4"x.03"x.5" (102x0.8x13mm)	PSI-125-4	Register at www.psidragon.com		
	5"x.03"x.5" (127x0.8x13mm)	PSI-125-5			
	7"x.03"x.5" (178x0.8x13mm)	PSI-125-7	Contact us at info@psidragon.com		
	7"x.06"x.5" (178x1.5x13mm)	PSI-125-7T			
 SMALL CUT OFF WHEELS, SiC, Rubber Bond, 10/box	4"x.03"x.5" (102x0.8x13mm)	PSI-126-4	Call us at +1-713-426-2220 or 800-843-0950		
	5"x.03"x.5" (127x0.8x13mm)	PSI-126-5			
	7"x.03"x.5" (178x0.8x13mm)	PSI-126-7	Call for pricing or Register on the web store		
	7"x.06"x.5" (178x1.5x13mm)	PSI-126-7T			

See www.psidragon.com or call for additional sizes.

Al_2O_3 = Aluminum Oxide

SiC = Silicon Carbide

OPERATION: SECTIONING

PRODUCT: PSI DIAMOND CUT-OFF BLADES

PSI Diamond Cut-Off Blades are used for cutting very hard, non-ferrous materials such as rocks, ceramics, carbides and semi-conductors. PSI Diamond Blades are normally available in two basic specifications - Resin Bonded (RB) with a high diamond concentration (HC) for routine use and Metal Bonded (MB) with low diamond concentration (LC). Cubic Boron Nitride (CBN) blades, available in two specifications, are very effective on most ferrous materials, including iron and nickel based super alloys. The standard CBN blades are free cutting while the long life blades cut more slowly but last significantly longer. These second blades are excellent in work with radioactive materials where life of the blade is very important. Both Diamond Blades and CBN Blades are manufactured to PSI specification to assure product quality and performance.

DESCRIPTION	SIZE	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
DIAMOND, HIGH CONCENTRATION, Metal Bond, ½" Arbor (12.7mm)	3" x .011" (76 x .3mm)	PSI-140-3	Call for pricing or Register on the web store		
	4" x .012" (102 x .3mm)	PSI-140-4			
	5" x .015" (127 x .4mm)	PSI-140-5	Register at www.psidragon.com		
	6" x .020" (152 x .5mm)	PSI-140-6			
	7" x .025" (178 x .6mm)	PSI-140-7	Contact us at info@psidragon.com		
DIAMOND, LOW CONCENTRATION, Metal Bond, ½" Arbor (12.7mm)	3" x .011" (76 x .3mm)	PSI-141-3			
	4" x .012" (102 x .3mm)	PSI-141-4	Call us at +1-713-426-2220 or 800-843-0950		
	5" x .015" (127 x .4mm)	PSI-141-5			
	6" x .020" (152 x .5mm)	PSI-141-6	Call for pricing or Register on the web store		
	7" x .025" (178 x .6mm)	PSI-141-7			
DIAMOND, LOW CONCENTRATION, Metal Bond, 5/8" Arbor (15.8mm)	3" x .006" (76 x .15mm)	PSI-141-3-5/8	Register at www.psidragon.com		
	4" x .012" (102 x .3mm)	PSI-141-4-5/8			
	5" x .015" (127 x .4mm)	PSI-141-5-5/8	Contact us at info@psidragon.com		
	6" x .020" (152 x .5mm)	PSI-141-6-5/8			
	7" x .025" (178 x .6mm)	PSI-141-7-5/8	Call us at +1-713-426-2220 or 800-843-0950		
DIAMOND, HIGH CONCENTRATION, Resin Bond, 1.25" Arbor (32mm)	8" x .045" (203 x 1.1mm)	PSI-142-8			
	10" x .050" (254 x 1.3mm)	PSI-142-10	Call for pricing or Register on the web store		
	12" x .070" (305 x 1.7mm)	PSI-142-12			
	12" x 0.70" (305 x 1.7mm)	PSI-142-12A	Register at www.psidragon.com		
	14" x 0.70"	PSI-142-14A			
DIAMOND, LOW CONCENTRATION, Metal Bond, 1.25" Arbor (32mm)	16" x 0.65"	PSI-142-16A	Contact us at info@psidragon.com		
	8" x .045" (203 x 1.1mm)	PSI-143-8			
	10" x .050" (254 x 1.3mm)	PSI-143-10	Call us at +1-713-426-2220 or 800-843-0950		
	12" x .070" (305 x 1.7mm)	PSI-143-12			
CUBIC BORON NITRIDE, Fast Cutting, Best Finish, ½" Arbor (12.7mm)	3" x .006" (76 x .15mm)	PSI-144-3	Call for pricing or Register on the web store		
	4" x .012" (102 x .3mm)	PSI-144-4			
	5" x .015" (127 x .4mm)	PSI-144-5	Register at www.psidragon.com		
	6" x .020" (152 x .5mm)	PSI-144-6			
	7" x .025" (178 x .6mm)	PSI-144-7	Contact us at info@psidragon.com		
COOLANT/RUST INHIBITOR Ferrous Materials	1 Gallon (3.8L)	PSI-166-4			
	1 Quart (.95L)	PSI-166-1	Call us at +1-713-426-2220 or 800-843-0950		
COOLANT/RUST INHIBITOR Non-Ferrous Materials	1 Gallon (3.8L)	PSI-167-4			
	1 Quart (.95L)	PSI-167-1	Call for pricing or Register on the web store		
CUTTING OIL	1 Gallon (3.8L)	PSI-150-4			
	1 Quart (.95L)	PSI-150-1	Register at www.psidragon.com		
DRESSING STICK, AL ₂ O ₃ , White	.5 x .5 x 6" (13x13x152mm)	PSI-151-WHT			
DRESSING STICK, SiC, Black	.5 x .5 x 6" (13x13x152mm)	PSI-151-BLK	Contact us at info@psidragon.com		



OPERATION: COMPRESSION MOUNTING

PRODUCT: PSI COMPRESSION MOUNTING PRODUCTS

PSI Compression Mounting Products are used in specimen mounting presses. The use of these products involves a combination of pressure and high temperature to mount the specimen in a convenient form. Phenolic Powders are the most popular and economical materials to use. Phenolic Preforms are a convenient form for increased speed and production. Other mounting powders are used for specialized applications.

DESCRIPTION	COLOR	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
	Red	PSI-200-5	Call for pricing or Register on the web store		
	Red	PSI-200-20			
	Red	PSI-200-50	Register at www.psidragon.com		
	Green	PSI-201-5			
	Green	PSI-201-20	Contact us at info@psidragon.com		
	Green	PSI-201-50			
	Black	PSI-202-5	Call us at +1-713-426-2220 or 800-843-0950		
	Black	PSI-202-20			
	Black	PSI-202-50	Call for pricing or Register on the web store		
	Red	PSI-200-1.25			
	Green	PSI-201-1.25	Register at www.psidragon.com		
	Black	PSI-202-1.25			
	Red	PSI-200-1.25B	Contact us at info@psidragon.com		
	Green	PSI-201-1.25B			
	Black	PSI-202-1.25B	Call us at +1-713-426-2220 or 800-843-0950		
	Red	PSI-200-1.5			
	Green	PSI-201-1.5	Call for pricing or Register on the web store		
	Black	PSI-202-1.5			
	Red	PSI-200-1.5B	Register at www.psidragon.com		
	Green	PSI-201-1.5B			
	Black	PSI-202-1.5B	Contact us at info@psidragon.com		
	Blue	PSI-203-5			
	Green	PSI-204-5	Call us at +1-713-426-2220 or 800-843-0950		
	Dark Green	PSI-210-5			
	Black	PSI-211-5	Call for pricing or Register on the web store		
	Black	PSI-212-1			
	Clear	PSI-213-5	Register at www.psidragon.com		

PRODUCT: PSI LABORATORY ACCESSORIES

DESCRIPTION	SIZE	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
 SPRAY MOLD RELEASE, AEROSOL	12 oz (340g)	PSI-230-12	Contact us at info@psidragon.com		
 SPRAY SPECIMEN LACQUER, AEROSOL	11 oz (311g)	PSI-240-12			
 STIRRING STICKS	1000	PSI-250-1	Call us at +1-713-426-2220 or 800-843-0950		
GRADUATED PAPER CUPS, 100/PK	5 oz (150ml)	PSI-252-5			
WAXED PAPER CUPS, PLAIN, 100/PK	5 oz (150ml)	PSI-252-5W	Call for pricing or Register on the web store		
MICROSCOPE CLEANER, AEROSOL	8 oz (226g)	PSI-266-12			
SPRING CLIPS, METAL	100/pk	PSI-270-1	Register at www.psidragon.com		
SPRING CLIPS, PLASTIC	100/pk	PSI-272-100			
 SPRAY DISC ADHESIVE, AEROSOL	6 oz (170g)	PSI-276-8	Contact us at info@psidragon.com		

* Different Size or Quantity

OPERATION: AMBIENT MOUNTING

PRODUCT: PSI AMBIENT MOUNTING PRODUCTS

PSI Ambient Mounting Products do not require a specimen mounting press, since they involve an exothermic reaction between the kit constituents.

DESCRIPTION	UNIT	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
KOLDMOUNT® KIT	1 lb (.45kg)	PSI-206-1	Call for pricing or Register on the web store		
(Includes powder & liquid)	5 lb (2.3kg)	PSI-206-5			
Acrylic, Powder/Liquid, Translucent, Cure Time 20 – 30 minutes ambient, Exothermic Peak 255°F/124°C, Shelf Life 12 months					
KOLDMOUNT® POWDER	1 lb (.45kg)	PSI-206-1P	Register at www.psidragon.com		
	5 lb (2.3kg)	PSI-206-5P			
KOLDMOUNT® LIQUID	12 oz (.35L)	PSI-206-1L	Contact us at info@psidragon.com		
	60 oz (1.77L)	PSI-206-5L			
EPOXY FAST SET, HARDENER	1 qt (.95L)	PSI-233-4H	Call us at +1-713-426-2220 or 800-843-0950		
EPOXY FAST SET, RESIN	1 gal (3.8L)	PSI-233-4R			
Epoxy, Liquid/Liquid, Clear White, Cure Time 60 minutes ambient, Exothermic Peak 260°C/127°F, Shelf Life 12 months					
ACRYLIC FAST SET, LIQUID	64 oz (1.89L)	PSI-234-5L	Call for pricing or Register on the web store		
ACRYLIC FAST SET, POWDER	5 lb (2.3kg)	PSI-234-5P			
Acrylic, Powder/Liquid, Bone White, Cure Time 15 minutes ambient, Exothermic Peak 260°F/127°C, Shelf Life 18 months					
EPOXY SLOW SET, HARDENER	8 oz	PSI-2332-8H	Register at www.psidragon.com		
EPOXY, RESIN	1 qt (.95L)	PSI-2332-32R			
EPOXY SLOW SET, HARDENER	1 qt (.95L)	PSI-2332-32H	Contact us at info@psidragon.com		
EPOXY, RESIN	1 gal (3.8L)	PSI-2332-128R			
Epoxy, Liquid/Liquid, Clear, Cure Time 24hrs ambient, 2hrs@155°F/66°C, Exothermic Peak 255°F/124°C, Viscosity 380CPS@25°C					



PRODUCT: PSI MOUNTING ACCESSORIES

DESCRIPTION	SIZE	UNIT	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
POLYPROPYLENE MOUNTING CUPS	1.25" (32mm)	10/pk	PSI-214-1.25	Call us at +1-713-426-2220 or 800-843-0950		
SILICON RUBBER MOLDS	30mm x 55mm	Each	PSI-215-30X55			
RECTANGULAR	40mm x 70mm	Each	PSI-215-40X70	Call for pricing or Register on the web store		
	50mm x 100mm	Each	PSI-215-50X100			
SILICON RUBBER MOLDS	1" (25mm)	Each	PSI-216-1	Register at www.psidragon.com		
ROUND	1.25" (32mm)	Each	PSI-216-1.25			
	1.5" (38mm)	Each	PSI-216-1.5	Contact us at info@psidragon.com		
	2" (51mm)	Each	PSI-216-2			
RING MOLDS, PHENOLIC	1.25" (32mm)	10/pk	PSI-217-1.25	Call us at +1-713-426-2220 or 800-843-0950		
	1.5" (38mm)	10/pk	PSI-217-1.5			
RING MOLDS, GLASS	1.25" (32mm)	10/pk	PSI-218-1.25	Call for pricing or Register on the web store		
RING MOLDS, METAL	1.25" (32mm)	10/pk	PSI-219-1.5			



OPERATION: GRINDING

PRODUCT: PSI ABRASIVE BELTS

PSI Abrasive Belts are generally used after sample sectioning to remove scale or burrs. PSI Abrasive Belts are carefully specified to meet the unique requirements of the Materials Laboratory. Constructed of X weight cloth, a heavy backing material, PSI Abrasive Belts can be used wet or dry (W/D). These belts have a special butt splice, reinforced with a strong plastic film to prevent specimen "bump" where the ends meet. Silicon carbide abrasive (SiC), the most popular in the met lab, is a shiny, black, sharp, very hard mineral used for a wide range of ferrous and non-ferrous metals. Aluminum oxide abrasive (Al_2O_3) is a brown colored mineral that is tough and durable and is the most widely used abrasive grain. Zirconia-alumina abrasive (ZrAl) is an alloy mineral of aluminum and zirconium oxide that is very effective for coarse grade stock removal. For the elimination of all possible silicon and aluminum contamination, PSI Diamond Spot Belts are recommended.

DESCRIPTION	GRIT	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
3M 4" x 36" (102 x 914mm), Silicon Carbide, Wet or Dry, 10/box	60	PSI-300-60	Call for pricing or Register on the web store		
	80	PSI-300-80			
	120	PSI-300-120	Register at www.psidragon.com		
	180	PSI-300-180			
	240	PSI-300-240	Contact us at info@psidragon.com		
	320	PSI-300-320			
	400	PSI-300-400	Call us at +1-713-426-2220 or 800-843-0950		
	600	PSI-300-600			
3M 4" x 36" (102 x 914mm), Aluminum Oxide, Wet or Dry, 10/box	60	PSI-310-60	Call for pricing or Register on the web store		
	80	PSI-310-80			
	120	PSI-310-120	Register at www.psidragon.com		
	180	PSI-310-180			
	240	PSI-310-240	Contact us at info@psidragon.com		
	320	PSI-310-320			
3M 4" x 36" (102 x 914mm), Zirconia Alumina, Wet or Dry, 5/box	400	PSI-310-400	Call us at +1-713-426-2220 or 800-843-0950		
	60	PSI-320-60			
	80	PSI-320-80	Call for pricing or Register on the web store		
	120	PSI-320-120			
	180	PSI-320-180	Register at www.psidragon.com		
3M 4" x 36" (102 x 914mm), Aluminum Oxide, Dry, 10/box	220	PSI-320-220			
	50	PSI-330-50	Contact us at info@psidragon.com		
	80	PSI-330-80			
	120	PSI-330-120	Call us at +1-713-426-2220 or 800-843-0950		
	150	PSI-330-150			
3M 4" x 36" (102 x 914mm), Aluminum Oxide, Dry, 10/box	180	PSI-330-180	Call for pricing or Register on the web store		
	240	PSI-330-240			
3M 6" x 48" (152 x 1219mm), Aluminum Oxide, Dry, 5/box	40	PSI-332-40	Register at www.psidragon.com		
	50	PSI-332-50			
	60	PSI-332-60	Contact us at info@psidragon.com		
	80	PSI-332-80			
3M 6" x 48" (152 x 1219mm), Zirconia Alumina, Wet or Dry, 5/box	120	PSI-332-120	Call us at +1-713-426-2220 or 800-843-0950		
	50	PSI-333-50			
	60	PSI-333-60	Call for pricing or Register on the web store		
	80	PSI-333-80			
3M 4" x 36" (102 x 914mm), Diamond Spot Belt, Each	120	PSI-333-120	Register at www.psidragon.com		
	60	PSI-334-250			
	120	PSI-334-125	Contact us at info@psidragon.com		
	200	PSI-334-75			
	280	PSI-334-40	Call us at +1-713-426-2220 or 800-843-0950		
3M 4" x 36" (102 x 914mm), Diamond Spot Belt, Each	400	PSI-334-20			
	1000	PSI-334-10	Call for pricing or Register on the web store		



OPERATION: HAND GRINDING

PRODUCT: PSI ABRASIVE ROLLS, SHEETS, STRIPS

DESCRIPTION	GRIT	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
ABRASIVE ROLLS					
 3M 3" x 75' (76mm x 22.9m), Silicon Carbide, Wet or Dry, C wt., Each	180	PSI-350-180			
	240	PSI-350-240	Call for pricing or Register on the web store		
	320	PSI-350-320			
	400	PSI-350-400	Register at www.psidragon.com		
	600	PSI-350-600			
	1000	PSI-350-1000	Contact us at info@psidragon.com		
 3M 3" x 75' (76mm x 22.9m), Silicon Carbide, Wet or Dry, A wt. Each	2000	PSI-350-2000			
	240	PSI-352-240	Call us at +1-713-426-2220 or 800-843-0950		
	320	PSI-352-320			
	400	PSI-352-400	Call for pricing or Register on the web store		
	600	PSI-352-600			
	1000	PSI-352-1000	Register at www.psidragon.com		
 3M 3 7/16" x 75' (87mm x 22.9m), Silicon Carbide, Wet or Dry, C wt., Each	2000	PSI-352-2000			
	240	PSI-352-240	Call us at +1-713-426-2220 or 800-843-0950		
	320	PSI-352-320			
	400	PSI-352-400	Call for pricing or Register on the web store		
	600	PSI-352-600			
	1000	PSI-352-1000	Register at www.psidragon.com		
 3M 3 7/16" x 75' (87mm x 22.9m), Silicon Carbide, Wet or Dry, A wt. Each	2000	PSI-352-2000			
	240	PSI-352-240	Call us at +1-713-426-2220 or 800-843-0950		
	320	PSI-352-320			
	400	PSI-352-400	Call for pricing or Register on the web store		
	600	PSI-352-600			
	1000	PSI-352-1000	Register at www.psidragon.com		
ABRASIVE SHEETS – Premium					
 3M 9" x 11" (229mm x 279mm), Silicon Carbide, Wet or Dry, Plain Back , C wt., 100/pk	60	PSI-360-60			
	120	PSI-360-120	Contact us at info@psidragon.com		
	180	PSI-360-180			
	240	PSI-360-240	Call us at +1-713-426-2220 or 800-843-0950		
	320	PSI-360-320			
	400	PSI-360-400	Call for pricing or Register on the web store		
 3M 9" x 11" (229mm x 279mm), Silicon Carbide, Wet or Dry, A wt., 100/pk	600	PSI-360-600			
	1000	PSI-360-1000	Register at www.psidragon.com		
	2000	PSI-360-2000			
	180	PSI-361-180	Contact us at info@psidragon.com		
	240	PSI-361-240			
	320	PSI-361-320	Call us at +1-713-426-2220 or 800-843-0950		
 3M 9" x 11" (229mm x 279mm), Silicon Carbide, Wet or Dry, PSA Back , C wt., 100/pk	600	PSI-361-600			
	60	PSI-360-60AU			
	120	PSI-360-120AU	Call for pricing or Register on the web store		
	180	PSI-360-180AU			
	240	PSI-360-240AU	Register at www.psidragon.com		
	320	PSI-360-320AU			
 3M 9" x 11" (229mm x 279mm), Silicon Carbide, Wet or Dry, Plain Back , C wt., 100/pk	400	PSI-360-400AU	Contact us at info@psidragon.com		
	600	PSI-360-600AU			
	60	PSI-361-60AU	Call us at +1-713-426-2220 or 800-843-0950		
	120	PSI-361-120AU			
	180	PSI-361-180AU	Call for pricing or Register on the web store		
	240	PSI-361-240AU			
 3M 9" x 11" (229mm x 279mm), Silicon Carbide, Wet or Dry, PSA Back , C wt., 100/pk	320	PSI-361-320AU	Register at www.psidragon.com		
	400	PSI-361-400AU			
	600	PSI-361-600AU	Contact us at info@psidragon.com		
	60	PSI-361-60AU	Call us at +1-713-426-2220 or 800-843-0950		
	120	PSI-361-120AU			
	180	PSI-361-180AU	Call for pricing or Register on the web store		
 3M 9" x 11" (229mm x 279mm), Silicon Carbide, Wet or Dry, PSA Back , C wt., 100/pk	240	PSI-361-240AU			
	320	PSI-361-320AU	Register at www.psidragon.com		
	400	PSI-361-400AU			
	600	PSI-361-600AU	Contact us at info@psidragon.com		
	60	PSI-361-60AU	Call us at +1-713-426-2220 or 800-843-0950		
	120	PSI-361-120AU			
 3M 9" x 11" (229mm x 279mm), Silicon Carbide, Wet or Dry, PSA Back , C wt., 100/pk	180	PSI-361-180AU	Call for pricing or Register on the web store		
	240	PSI-361-240AU			
	320	PSI-361-320AU	Call for pricing or Register on the web store		
	600	PSI-361-600AU			
	60	PSI-361-60AU	Call us at +1-713-426-2220 or 800-843-0950		
	120	PSI-361-120AU			
ABRASIVE STRIPS					
 3M 3" x 11" (76mm x 279mm), Silicon Carbide, Wet or Dry, PSA Back , C wt., 100/pk	180	PSI-365-180	Call us at +1-713-426-2220 or 800-843-0950		
	240	PSI-365-240			
	320	PSI-365-320	Call for pricing or Register on the web store		
	600	PSI-365-600			

PSA = Pressure Sensitive Adhesive

OPERATION: MECHANICAL GRINDING

PRODUCT: PSI ABRASIVE DISCS – 3M

PSI Abrasive Discs are used in the specimen grinding step of sample preparation, after rough grinding and prior to polishing. Available abrasives include silicon carbide (SiC), aluminum oxide (Al₂O₃), and zirconia alumina (ZrAl). Silicon carbide abrasive (SiC) is a shiny, black, sharp, very hard mineral used for a wide range of non-ferrous and ferrous metals. Aluminum oxide abrasive (Al₂O₃) is a brown colored mineral that is tough and durable and is the most widely used abrasive grain. Zirconia alumina abrasive (ZrAl) is an alloy mineral of aluminum and zirconium oxide that is very effective for coarse grade stock removal of metals. Silicon Carbide Abrasive Discs are the discs most popular in the materials lab. Discs are available with either Plain Back (PB) or with Pressure Sensitive Adhesive (PSA) Back.

DESCRIPTION	GRIT	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
8" x NH (203mm x NH), Silicon Carbide, Plain Back, Wet or Dry, 100/pk 3M	60	PSI-400-60	Call for pricing or Register on the web store		
	120	PSI-400-120			
	180	PSI-400-180	Register at www.psidragon.com		
	240	PSI-400-240			
	320	PSI-400-320	Contact us at info@psidragon.com		
	400	PSI-400-400			
	600	PSI-400-600	Call us at +1-713-426-2220 or 800-843-0950		
	1000	PSI-400-1000			
	1200	PSI-400-1200	Call for pricing or Register on the web store		
	1500	PSI-400-1500			
	2000	PSI-400-2000	Register at www.psidragon.com		
	Two Sided PSA Discs, 8" x NH, 10/pk	None	PSI-400-PSA		
8" x NH (203mm x NH), Silicon Carbide, PSA Back, Wet or Dry, 100/pk 3M	60*	PSI-410-60	Contact us at info@psidragon.com		
	120	PSI-410-120			
	180	PSI-410-180	Call us at +1-713-426-2220 or 800-843-0950		
	240	PSI-410-240			
	320	PSI-410-320	Call for pricing or Register on the web store		
	600	PSI-410-600			
10" x NH (254mm x NH), Silicon Carbide, Plain Back, Wet or Dry, 100/pk 3M	60	PSI-407-60	Register at www.psidragon.com		
	120	PSI-407-120			
	180	PSI-407-180	Contact us at info@psidragon.com		
	240	PSI-407-240			
	320	PSI-407-320	Call us at +1-713-426-2220 or 800-843-0950		
	400	PSI-407-400			
	600	PSI-407-600	Call for pricing or Register on the web store		
Two Sided PSA Discs, 10" x NH, 10/pk	None	PSI-407-PSA			
10" x NH (254mm x NH), Silicon Carbide, PSA Back, Wet or Dry, 100/pk 3M	60*	PSI-408-60	Register at www.psidragon.com		
	120	PSI-408-120			
	180	PSI-408-180	Contact us at info@psidragon.com		
	240	PSI-408-240			
	320	PSI-408-320	Call us at +1-713-426-2220 or 800-843-0950		
	600	PSI-408-600			
12" x NH (305mm x NH), Silicon Carbide, Plain Back, Wet or Dry, 50/pk 3M	60	PSI-402-60	Call for pricing or Register on the web store		
	120	PSI-402-120			
	180	PSI-402-180	Register at www.psidragon.com		
	240	PSI-402-240			
	320	PSI-402-320	Contact us at info@psidragon.com		
	400	PSI-402-400			
	600	PSI-402-600	Call us at +1-713-426-2220 or 800-843-0950		
	1000	PSI-402-1000			
	1200	PSI-402-1200	Call for pricing or Register on the web store		
	1500	PSI-402-1500			
	2000	PSI-402-2000	Register at www.psidragon.com		
	Two Sided PSA Discs, 12" x NH, 10/pk	None	PSI-402-PSA		

* Denotes Norton Brand Adhesive

PSA = Pressure Sensitive Adhesive

NH = No Hole



OPERATION: MECHANICAL GRINDING

PRODUCT: PSI ABRASIVE DISCS – 3M (continued)



DESCRIPTION	GRIT	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
12" x NH (305mm x NH), Silicon Carbide, PSA Back, Wet or Dry, 50/pk	60*	PSI-412-60	Call for pricing or Register on the web store		
	120	PSI-412-120			
	180	PSI-412-180	Register at www.psidragon.com		
	240	PSI-412-240			
	320	PSI-412-320	Contact us at info@psidragon.com		
	600	PSI-412-600			

* Denotes Norton Brand Adhesive

PSA = Pressure Sensitive Adhesive

NH = No Hole

PAPER HOLDING BANDS

DESCRIPTION	SIZE	UNIT	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
PAPER DISC HOLDING BAND	8"	Each	PSI-400-BAND	Call us at +1-713-426-2220 or 800-843-0950		
PAPER DISC HOLDING BAND	10"	Each	PSI-407-BAND			
PAPER DISC HOLDING BAND	12"	Each	PSI-402-BAND	Call for pricing or Register on the web store		

PRODUCT: PSI TRIZACT FILM DISCS – 3M



DESCRIPTION	GRIT	COLOR	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
8" x NH (203mm x NH), PSA Back, Wet or Dry, 10/pk	A35	Green	PSI-405-35TZF	Register at www.psidragon.com		
	A20	Pink	PSI-405-20TZF			
	A10	Blue	PSI-405-10TZF	Contact us at info@psidragon.com		
	A5	Orange	PSI-405-5TZF			
12" x NH (305mm x NH), PSA Back, Wet or Dry, 10/pk	A35	Green	PSI-419-35TZF	Call us at +1-713-426-2220 or 800-843-0950		
	A20	Pink	PSI-419-20TZF			
	A10	Blue	PSI-419-10TZF	Call for pricing or Register on the web store		
	A5	Orange	PSI-419-5TZF			

PSA = Pressure Sensitive Adhesive

NH = No Hole

OPERATION: MECHANICAL GRINDING

PRODUCT: PSI ABRASIVE DISCS – GOLD LABEL

PSI now offers an economical version of silicon carbide (SiC) papers. PSI Lab Grade Abrasive Discs are used in the specimen grinding step of sample preparation, after rough grinding and prior to polishing. Available abrasives include silicon carbide (SiC). Silicon carbide abrasive (SiC) is a shiny, black, sharp, very hard mineral used for a wide range of non-ferrous and ferrous metals. Silicon Carbide Abrasive Discs are the most popular in the materials lab. Discs are available with either Plain Back (PB) or with Pressure Sensitive Adhesive (PSA) Back.

DESCRIPTION	GRIT	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
8" x NH (203mm x NH), Silicon Carbide, Plain Back , Wet or Dry, 100/pk 	60	PSI-400-60AU	Register at www.psidragon.com		
	120	PSI-400-120AU			
	180	PSI-400-180AU	Contact us at info@psidragon.com		
	240	PSI-400-240AU			
	320	PSI-400-320AU	Call us at +1-713-426-2220 or 800-843-0950		
	400	PSI-400-400AU			
	600	PSI-400-600AU	Call for pricing or Register on the web store		
	800	PSI-400-800AU			
	1200	PSI-400-1200AU	Register at www.psidragon.com		
	Two Sided PSA Discs, 8" x NH, 10/pk	None	PSI-400-PSA		
8" x NH (203mm x NH), Silicon Carbide, PSA Back , Wet or Dry, 100/pk 	60	PSI-410-60AU	Contact us at info@psidragon.com		
	120	PSI-410-120AU			
	180	PSI-410-180AU	Call us at +1-713-426-2220 or 800-843-0950		
	240	PSI-410-240AU			
	320	PSI-410-320AU	Call for pricing or Register on the web store		
	400	PSI-410-400AU			
	600	PSI-410-600AU	Register at www.psidragon.com		
	800	PSI-410-800AU			
	1200	PSI-410-1200AU	Contact us at info@psidragon.com		
	10" x NH (254mm x NH) Silicon Carbide, Plain Back , Wet or Dry, 100/pk 	60	PSI-407-60AU		
120		PSI-407-120AU	Call us at +1-713-426-2220 or 800-843-0950		
180		PSI-407-180AU			
240		PSI-407-240AU	Call for pricing or Register on the web store		
320		PSI-407-320AU			
400		PSI-407-400AU	Register at www.psidragon.com		
600		PSI-407-600AU			
800		PSI-407-800AU	Contact us at info@psidragon.com		
1200		PSI-407-1200AU			
Two Sided PSA Discs, 10" x NH, 10/pk		None	PSI-407-PSA	Call us at +1-713-426-2220 or 800-843-0950	
10" x NH (254mm x NH), Silicon Carbide, PSA Back , Wet or Dry, 100/pk 	60	PSI-408-60AU			
	120	PSI-408-120AU	Call for pricing or Register on the web store		
	180	PSI-408-180AU			
	240	PSI-408-240AU	Register at www.psidragon.com		
	320	PSI-408-320AU			
	400	PSI-408-400AU	Contact us at info@psidragon.com		
	600	PSI-408-600AU			
	800	PSI-408-800AU	Call us at +1-713-426-2220 or 800-843-0950		
	1200	PSI-408-1200AU			

PSA = Pressure Sensitive Adhesive

NH = No Hole

OPERATION: MECHANICAL GRINDING

PRODUCT: PSI ABRASIVE DISCS – GOLD LABEL (continued)

DESCRIPTION	GRIT	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
  12" x NH (305mm x NH), Silicon Carbide, Plain Back, Wet or Dry, 100/pk	60	PSI-402-60AU	Call for pricing or Register on the web store		
	120	PSI-402-120AU			
	180	PSI-402-180AU	Register at www.psidragon.com		
	240	PSI-402-240AU			
	320	PSI-402-320AU	Contact us at info@psidragon.com		
	400	PSI-402-400AU			
	600	PSI-402-600AU	Call us at +1-713-426-2220 or 800-843-0950		
	800	PSI-402-800AU			
	1200	PSI-402-1200AU	Call for pricing or Register on the web store		
	None	PSI-402-PSA			
Two Sided PSA Discs, 12" x NH, 10/pk					
 12" x NH (305mm x NH), Silicon Carbide, PSA Back, Wet or Dry, 100/pk	60	PSI-412-60AU	Register at www.psidragon.com		
	120	PSI-412-120AU			
	180	PSI-412-180AU	Contact us at info@psidragon.com		
	240	PSI-412-240AU			
	320	PSI-412-320AU	Call us at +1-713-426-2220 or 800-843-0950		
	400	PSI-412-400AU			
	600	PSI-412-600AU	Call for pricing or Register on the web store		
	800	PSI-412-800AU			
	1200	PSI-412-1200AU	Register at www.psidragon.com		

PSA = Pressure Sensitive Adhesive

NH = No Hole

OPERATION: MECHANICAL GRINDING

PRODUCT: PSI MICROFINISHING FILM ABRASIVES

PSI Microfinishing Film is a micron graded precision thickness polyester film electrostatically coated with either aluminum oxide or silicon carbide particles. The electrostatic coating process and proprietary resin bonding system results in a very aggressive product which performs a very efficient grinding action. The precision thickness of the polyester film results in a very flat specimen when used on flat substrates. Because of the hardness of the polyester backing the abrasive particles cannot recede into the backing, as occurs with paper or cloth backings with traditional abrasives. MF is effective in the laboratory on a full range of materials normally prepared with paper or cloth backed silicon carbide (SiC) products. Because MF is inherently water proof, the aluminum oxide product enables the Material Scientist to use the more efficient Al₂O₃ product on ferrous materials all the way to the polishing step.

DESCRIPTION	MICRON	GRIT	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
8" x NH (203mm x NH), Aluminum Oxide, Plain Back , Wet or Dry, 50/pk 	180	80	PSI-40180-8	Call for pricing or Register on the web store		
	100	150	PSI-40100-8			
	80	180	PSI-4080-8	Register at www.psidragon.com		
	60	220	PSI-4060-8			
	40	320	PSI-4040-8	Contact us at info@psidragon.com		
	30	400	PSI-4030-8			
	15	800	PSI-4015-8	Call us at +1-713-426-2220 or 800-843-0950		
	9	1200	PSI-4009-8			
8" x NH (203mm x NH), Silicon Carbide, Plain Back , Wet or Dry, 50/pk 	100	150	PSI-40100S-8	Call for pricing or Register on the web store		
	80	180	PSI-4080S-8			
	60	220	PSI-4060S-8	Register at www.psidragon.com		
	40	320	PSI-4040S-8			
	30	400	PSI-4030S-8	Contact us at info@psidragon.com		
	15	800	PSI-4015S-8			
8" x NH (203mm x NH), Aluminum Oxide, PSA Back , Wet or Dry, 50/pk 	180	80	PSI-41180-8	Call us at +1-713-426-2220 or 800-843-0950		
	100	150	PSI-41100-8			
	80	180	PSI-4180-8	Call for pricing or Register on the web store		
	60	220	PSI-4160-8			
	40	320	PSI-4140-8	Register at www.psidragon.com		
	30	400	PSI-4130-8			
	15	800	PSI-4115-8	Contact us at info@psidragon.com		
	9	1200	PSI-4109-8			
8" x NH (203mm x NH), Silicon Carbide, PSA Back , Wet or Dry, 50/pk 	100	150	PSI-41100S-8	Call us at +1-713-426-2220 or 800-843-0950		
	80	180	PSI-4180S-8			
	60	220	PSI-4160S-8	Call for pricing or Register on the web store		
	40	320	PSI-4140S-8			
	30	400	PSI-4130S-8	Register at www.psidragon.com		
	15	800	PSI-4115S-8			
12" x NH (305mm x NH), Aluminum Oxide, Plain Back , Wet or Dry, 50/pk 	180	80	PSI-40180-12	Contact us at info@psidragon.com		
	100	150	PSI-40100-12			
	80	180	PSI-4080-12	Call us at +1-713-426-2220 or 800-843-0950		
	60	220	PSI-4060-12			
	40	320	PSI-4040-12	Call for pricing or Register on the web store		
	30	400	PSI-4030-12			
	15	800	PSI-4015-12	Register at www.psidragon.com		
	9	1200	PSI-4009-12			
12" x NH (305mm x NH), Silicon Carbide, Plain Back , Wet or Dry, 50/pk 	100	150	PSI-40100S-12	Contact us at info@psidragon.com		
	80	180	PSI-4080S-12			
	60	220	PSI-4060S-12	Call us at +1-713-426-2220 or 800-843-0950		
	40	320	PSI-4040S-12			
	30	400	PSI-4030S-12	Call for pricing or Register on the web store		
	15	800	PSI-4015S-12			

See www.psidragon.com or call for additional sizes.
 PSA = Pressure Sensitive Adhesive

NH = No Hole

OPERATION: MECHANICAL GRINDING

PRODUCT: PSI MICROFINISHING FILM ABRASIVES (continued)

DESCRIPTION	MICRON	MESH	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
 12" x NH (305mm x NH), Aluminum Oxide, PSA Back , Wet or Dry, 50/pk 	180	80	PSI-41180-12	Call for pricing or Register on the web store		
	100	150	PSI-41100-12			
	80	180	PSI-4180-12	Register at www.psidragon.com		
	60	220	PSI-4160-12			
	40	320	PSI-4140-12	Contact us at info@psidragon.com		
	30	400	PSI-4130-12			
	15	800	PSI-4115-12	Call us at +1-713-426-2220 or 800-843-0950		
	9	1200	PSI-4109-12			
 12" x NH (305mm x NH), Silicon Carbide, PSA Back , Wet or Dry, 50/pk 	100	150	PSI-41100S-12	Call for pricing or Register on the web store		
	80	180	PSI-4180S-12			
	60	220	PSI-4160S-12	Register at www.psidragon.com		
	40	320	PSI-4140S-12			
	30	400	PSI-4130S-12	Contact us at info@psidragon.com		
	15	800	PSI-4115S-12			

PRODUCT: PSI FILM BACKED DISCS

DESCRIPTION	MICRON	MESH	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
 8" x NH (203mm x NH), Silicon Carbide Plain Back 100/pk 		80	PSI-4080S-8	Call us at +1-713-426-2220 or 800-843-0950		
	105	120	PSI-40120S-8			
	80	180	PSI-40180S-8	Call for pricing or Register on the web store		
	63	240	PSI-40240S-8			
	40	320	PSI-40320S-8	Register at www.psidragon.com		
	20	400	PSI-40400S-8			
	15	600	PSI-40600S-8	Contact us at info@psidragon.com		
	6	800	PSI-40800S-8			
	2	1200	PSI-401200S-8	Call us at +1-713-426-2220 or 800-843-0950		
	N/A	N/A	PSI-400-Cling			
Film Back Abrasive Disc, PSA, 8"	N/A	N/A	PSI-400-Cling-Mag	Call for pricing or Register on the web store		
 10" x NH (254mm x NH), Silicon Carbide Plain Back 100/pk 	105	120	PSI-40120S-10			
	80	180	PSI-40180S-10	Register at www.psidragon.com		
	63	240	PSI-40240S-10			
	40	320	PSI-40320S-10	Contact us at info@psidragon.com		
	20	400	PSI-40400S-10			
	15	600	PSI-40600S-10	Call us at +1-713-426-2220 or 800-843-0950		
	6	800	PSI-40800S-10			
	2	1200	PSI-401200S-10	Call for pricing or Register on the web store		
	N/A	N/A	PSI-407-Cling			
	N/A	N/A	PSI-407-Cling-Mag	Register at www.psidragon.com		
 12" x NH (305mm x NH), Silicon Carbide Plain Back 100/pk 	105	120	PSI-40120S-12			
	80	180	PSI-40180S-12	Contact us at info@psidragon.com		
	63	240	PSI-40240S-12			
	40	320	PSI-40320S-12	Call us at +1-713-426-2220 or 800-843-0950		
	20	400	PSI-40400S-12			
	15	600	PSI-40600S-12	Call for pricing or Register on the web store		
	6	800	PSI-40800S-12			
	2	1200	PSI-401200S-12	Register at www.psidragon.com		
	N/A	N/A	PSI-402-Cling			
	N/A	N/A	PSI-402-Cling-Mag	Contact us at info@psidragon.com		

PSA = Pressure Sensitive Adhesive

NH = No Hole

OPERATION: MECHANICAL GRINDING

PRODUCT: PSI DIAMOND MICROFINISHING FILM DISCS

Diamond Microfinishing Film Abrasives are a new tool available from PSI to the Materials Scientist. The unique features of this wet or dry product enable the user to achieve the basic requirements of finish and flatness on a wide range of material samples. With DMFFA, these goals will be reached with greater speed, reliability and more consistent results. Excellent finish is achieved by the precision grading system used to select the diamond abrasive particles for each grade. Classified by the more accurate micron grading system, particle size grading is held to much tighter tolerances than conventional abrasive products, which results in a higher density of the specified particle size available to do the grinding required. This controlled uniformity of particle size, combined with electrostatic coating of the polyester film backing, provides an unexcelled grinding product. Product flatness is achieved and maintained through the grinding steps by the consistent 5 mil caliper of the dense, polyester backing. Unlike the traditional paper products, the abrasive particles cannot "recede" into the backing. This feature results in shorter grind times and longer life because the abrasive particles remain at the "cutting" interface. Shorter grind time means less heat generation in the material being ground. Longer life means improved economics.

DESCRIPTION	MICRON	GRIT	PSI #	EACH	LEVEL 2 5/order	LEVEL 3 15/order
8" x NH (203mm x NH), Plain Back, Each 3M	125	120	PSI-400-125-DMFF	Call for pricing or Register on the web store		
	74	200	PSI-400-74-DMFF			
	45	280	PSI-400-45-DMFF	Register at www.psidragon.com		
	30	400	PSI-400-30-DMFF			
	20	500	PSI-400-20-DMFF	Contact us at info@psidragon.com		
	9	1200	PSI-400-9-DMFF			
8" x NH (203mm x NH), PSA Back, Each 3M	125	120	PSI-410-125-DMFF	Call us at +1-713-426-2220 or 800-843-0950		
	74	200	PSI-410-74-DMFF			
	45	280	PSI-410-45-DMFF	Call for pricing or Register on the web store		
	30	400	PSI-410-30-DMFF			
	20	500	PSI-410-20-DMFF	Register at www.psidragon.com		
	9	1200	PSI-410-9-DMFF			
10" x NH (254mm x NH), Plain Back, Each 3M	125	120	PSI-407-125-DMFF	Contact us at info@psidragon.com		
	74	200	PSI-407-74-DMFF			
	45	280	PSI-407-45-DMFF	Call us at +1-713-426-2220 or 800-843-0950		
	30	400	PSI-407-30-DMFF			
	20	500	PSI-407-20-DMFF	Call for pricing or Register on the web store		
	9	1200	PSI-407-9-DMFF			
10" x NH (254mm x NH), PSA Back, Each 3M	125	120	PSI-408-125-DMFF	Register at www.psidragon.com		
	74	200	PSI-408-74-DMFF			
	45	280	PSI-408-45-DMFF	Contact us at info@psidragon.com		
	30	400	PSI-408-30-DMFF			
	20	500	PSI-408-20-DMFF	Call us at +1-713-426-2220 or 800-843-0950		
	9	1200	PSI-408-9-DMFF			
12" x NH (305mm x NH), Plain Back, Each 3M	125	120	PSI-402-125-DMFF	Call for pricing or Register on the web store		
	74	200	PSI-402-74-DMFF			
	45	280	PSI-402-45-DMFF	Register at www.psidragon.com		
	30	400	PSI-402-30-DMFF			
	20	500	PSI-402-20-DMFF	Contact us at info@psidragon.com		
	9	1200	PSI-402-9-DMFF			
12" x NH (305mm x NH), PSA Back, Each 3M	125	120	PSI-412-125-DMFF	Call us at +1-713-426-2220 or 800-843-0950		
	74	200	PSI-412-74-DMFF			
	45	280	PSI-412-45-DMFF	Call for pricing or Register on the web store		
	30	400	PSI-412-30-DMFF			
	20	500	PSI-412-20-DMFF	Register at www.psidragon.com		
	9	1200	PSI-412-9-DMFF			

PSA = Pressure Sensitive Adhesive

NH = No Hole

OPERATION: MECHANICAL GRINDING

PRODUCT: PSI DIAMOND MICROFINISHING FILM SHEETS

DESCRIPTION	MICRON	GRIT	PSI #	EACH	LEVEL 2 25/order	LEVEL 3 75/order
 3" x 6" (76mm x 152mm), Plain Back , Each	125	120	PSI-33125-3x6-DMFF	Call for pricing or Register on the web store		
	74	200	PSI-3374-3x6-DMFF			
	45	280	PSI-3345-3x6-DMFF	Register at www.psidragon.com		
	30	400	PSI-3330-3x6-DMFF			
	20	500	PSI-3320-3x6-DMFF	Contact us at info@psidragon.com		
	9	1200	PSI-3309-3x6-DMFF			
 3"x 6" (76mm x 152mm), PSA Back , Each	125	120	PSI-32125-3x6-DMFF	Call us at +1-713-426-2220 or 800-843-0950		
	74	200	PSI-3274-3x6-DMFF			
	45	280	PSI-3245-3x6-DMFF	Call for pricing or Register on the web store		
	30	400	PSI-3230-3x6-DMFF			
	20	500	PSI-3220-3x6-DMFF	Register at www.psidragon.com		
	9	1200	PSI-3209-3x6-DMFF			
 8.5" x 11" (216mm x 279mm), Plain Back , Each	125	120	PSI-33125-11-DMFF	Contact us at info@psidragon.com		
	74	200	PSI-3374-11-DMFF			
	45	280	PSI-3345-11-DMFF	Call us at +1-713-426-2220 or 800-843-0950		
	30	400	PSI-3330-11-DMFF			
	20	500	PSI-3320-11-DMFF	Call for pricing or Register on the web store		
	9	1200	PSI-3309-11-DMFF			
 8.5" x 11" (216mm x 279mm), PSA Back , Each	125	120	PSI-32125-11-DMFF	Register at www.psidragon.com		
	74	200	PSI-3274-11-DMFF			
	45	280	PSI-3245-11-DMFF	Contact us at info@psidragon.com		
	30	400	PSI-3230-11-DMFF			
	20	500	PSI-3220-11-DMFF	Call us at +1-713-426-2220 or 800-843-0950		
	9	1200	PSI-3209-11-DMFF			

PSA = Pressure Sensitive Adhesive

PRODUCT: PSI MAGNETIC MANAGEMENT SYSTEM

The PSI Magnetic Management System is used in the Metallographic and Petrographic Labs in applications where a number of grinding and polishing steps are required for each sample. PSI offers the Magnetic Management System in 8", 10" and 12" diameters. Whether you are grinding and polishing by hand or utilizing a semi-automatic grinder/polisher, the Magnetic Management System will save time changing to the next step of the application and promote the maximum life of the consumable. The PSI Magnetic Management System is composed of two parts: 1) a magnetic disc with Pressure Sensitive Adhesive (PSA) Back and 2) a stainless steel disc. The magnetic disc is made of a durable and flexible 0.030" thick magnetic material with a pull force of 75 pounds per square foot and will adhere to any original equipment manufacturer's platen by use of a strong PSA backing. The stainless steel disc is made of 400 series stainless steel to resist corrosion and warping. The stainless steel disc becomes the platen for consumables and is applied to and held by the magnetic disc. Please contact PSI to discuss the Magnetic Management System and/or consumables for your application.



SIZE	DESCRIPTION	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
8" x NH (203mm x NH)	Magnetic Disc	PSI-400-MAGNET	Call for pricing or Register on the web store		
	Stainless Steel Disc	PSI-400-PLATE			
10" x NH (254mm x NH)	Magnetic Disc	PSI-407-MAGNET	Register at www.psidragon.com		
	Stainless Steel Disc	PSI-407-PLATE			
12" x NH (305mm x NH)	Magnetic Disc	PSI-402-MAGNET	Contact us at info@psidragon.com		
	Stainless Steel Disc	PSI-402-PLATE			

NH = No Hole

OPERATION: MECHANICAL GRINDING

PRODUCT: PSI METAL BOND DIAMOND SPOT DISCS

PSI Diamond Spot Discs are a micron graded metal bond product with "diamond spots" bonded through a synthetic woven mesh backing. This bonding method, along with the precise geometric spot pattern, provides an aggressive, very long lasting product. The spot pattern provides a natural channel for coolant flow and abraded material removal. Diamond Spot Discs have proven effective on hard and mixed hardness materials including tungsten carbide, ceramics, hardened metals, silicon whisker composites and petrographic samples. This Pressure Sensitive Adhesive (PSA) Back or Magnetic Back product provides very good flatness and no soft particle pull-out.

DESCRIPTION	MICRON	STRUERS® Equivalent	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
8" x NH (203mm x NH), Metal Bond, PSA Back	250	GRAAM	PSI-460-250	Call for pricing or Register on the web store		
	125	GRAMI	PSI-460-125			
	75	N/A	PSI-460-75	Register at www.psidragon.com		
	40	GRAIF	PSI-460-40			
	20	GRAYT	PSI-460-20	Contact us at info@psidragon.com		
	10	N/A	PSI-460-10			
	6	N/A	PSI-460-6	Call us at +1-713-426-2220 or 800-843-0950		
8" x NH (203mm x NH), Metal Bond, Magnetic Back	250	N/A	PSI-460M-250			
	125	N/A	PSI-460M-125	Call for pricing or Register on the web store		
	75	N/A	PSI-460M-75			
	40	N/A	PSI-460M-40	Register at www.psidragon.com		
	20	N/A	PSI-460M-20			
	10	N/A	PSI-460M-10	Contact us at info@psidragon.com		
	6	N/A	PSI-460M-6			
10" x NH (254mm x NH), Metal Bond, PSA Back	250	N/A	PSI-4604-250	Call us at +1-713-426-2220 or 800-843-0950		
	125	N/A	PSI-464-125			
	75	N/A	PSI-464-75	Call for pricing or Register on the web store		
	40	N/A	PSI-464-40			
	20	N/A	PSI-464-20	Register at www.psidragon.com		
	10	N/A	PSI-464-10			
	6	N/A	PSI-464-6	Contact us at info@psidragon.com		
10" x NH (254mm x NH), Metal Bond, Magnetic Back	250	N/A	PSI-464M-250			
	125	N/A	PSI-464M-125	Call us at +1-713-426-2220 or 800-843-0950		
	75	N/A	PSI-464M-75			
	40	N/A	PSI-464M-40	Call for pricing or Register on the web store		
	20	N/A	PSI-464M-20			
	10	N/A	PSI-464M-10	Register at www.psidragon.com		
	6	N/A	PSI-464M-6			
12" x NH (305mm x NH), Metal Bond, PSA Back	250	GRANT	PSI-466-250	Contact us at info@psidragon.com		
	125	GRARE	PSI-466-125			
	75	N/A	PSI-466-75	Call us at +1-713-426-2220 or 800-843-0950		
	40	GRAFU	PSI-466-40			
	20	GRATY	PSI-466-20	Call for pricing or Register on the web store		
	10	N/A	PSI-466-10			
	6	N/A	PSI-466-6	Register at www.psidragon.com		
12" x NH (305mm x NH), Metal Bond, Magnetic Back	250	N/A	PSI-466M-250			
	125	N/A	PSI-466M-125	Contact us at info@psidragon.com		
	75	N/A	PSI-466M-75			
	40	N/A	PSI-466M-40	Call us at +1-713-426-2220 or 800-843-0950		
	20	N/A	PSI-466M-20			
	10	N/A	PSI-466M-10	Call for pricing or Register on the web store		
	6	N/A	PSI-466M-6			

PSA = Pressure Sensitive Adhesive



OPERATION: MECHANICAL GRINDING

PRODUCT: PSI TRIZACT DIAMOND TILE DISCS

PSI Trizact Diamond Tile Discs are a micron graded resin bond product with Trizact technology laminated to a polycarbonate backing. This technology consists of precisely-shaped three-dimensional structures distributed uniformly over the substrate. As these structures wear, fresh, sharp diamond abrasive is continually exposed to the workpiece – resulting in faster, more consistent cutting throughout the life of the material. The Trizact technology, along with the precise geometric pattern, provides an aggressive, very long lasting product. The geometric pattern provides a natural channel for coolant flow and abraded material removal. Diamond Tile Discs offer a new dimension of speed, consistency and control for flat grinding, finishing and lapping. Diamond Tile Discs have proven effective on hard and mixed hardness materials including tungsten carbide, ceramics, hardened metals, silicon whisker composites and petrographic samples. This Pressure Sensitive Adhesive (PSA) Back or Magnetic Back product provides very good flatness and no soft particle pull-out.



3M

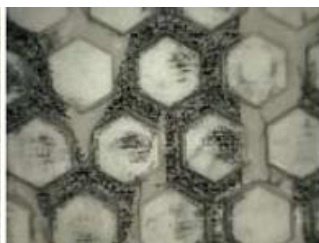
DESCRIPTION	GRADE	GRIT	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
8" x NH (203mm x NH), Resin Bond, PSA Back	A300	80	PSI-410-A300-DT	Call for pricing or Register on the web store		
	A160	120	PSI-410-A160-DT			
	A80	220	PSI-410-A80-DT	Register at www.psidragon.com		
	A45	320	PSI-410-A45-DT			
	A30	400	PSI-410-A30-DT	Contact us at info@psidragon.com		
	A20	500	PSI-410-A20-DT			
	A10	1000	PSI-410-A10-DT	Call us at +1-713-426-2220 or 800-843-0950		
	A6	1500	PSI-410-A6-DT			
	A3	1800	PSI-410-A3-DT	Call for pricing or Register on the web store		
10" x NH (254mm x NH), Resin Bond, PSA Back	A300	80	PSI-408-A300-DT			
	A160	120	PSI-408-A160-DT	Register at www.psidragon.com		
	A80	220	PSI-408-A80-DT			
	A45	320	PSI-408-A45-DT	Contact us at info@psidragon.com		
	A30	400	PSI-408-A30-DT			
	A20	500	PSI-408-A20-DT	Call us at +1-713-426-2220 or 800-843-0950		
	A10	1000	PSI-408-A10-DT			
	A6	1500	PSI-408-A6-DT	Call for pricing or Register on the web store		
	A3	1800	PSI-408-A3-DT			
12" x NH (305mm x NH), Resin Bond, PSA Back	A300	80	PSI-412-A300-DT	Register at www.psidragon.com		
	A160	120	PSI-412-A160-DT			
	A80	220	PSI-412-A80-DT	Contact us at info@psidragon.com		
	A45	320	PSI-412-A45-DT			
	A30	400	PSI-412-A30-DT	Call us at +1-713-426-2220 or 800-843-0950		
	A20	500	PSI-412-A20-DT			
	A10	1000	PSI-412-A10-DT	Call for pricing or Register on the web store		
	A6	1500	PSI-412-A6-DT			
	A3	1800	PSI-412-A3-DT	Register at www.psidragon.com		

PSA = Pressure Sensitive Adhesive

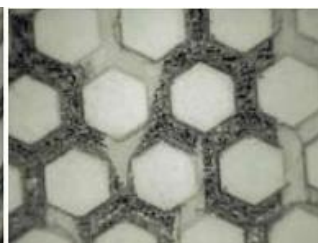
DESCRIPTION	GRADE	BUEHLER® Equivalent	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
DRESSING STICK, Al ₂ O ₃ , White	.5 x .5 x 6" (13x13x152mm)	11-1190	PSI-151-WHT	Contact us at info@psidragon.com		
DRESSING STICK, SiC, Black	.5 x .5 x 6" (13x13x152mm)	11-1290	PSI-151-BLK			



No Break-in



50% Break-in



100% Break-in

OPERATION: POLISHING

PRODUCT: PSI DIAMOND CLOTH DISCS

PSI Diamond Cloth Products are redesigned with a higher diamond concentration and a longer-lasting resin system. Diamond Cloth and Diamond Polishing Cloth help optimize cost effectiveness in your finishing operations. These products consist of micron graded diamond particles bonded to a durable cloth backing. Diamond Cloth is available in a wide range of grades. Compared to bonded wheels and conventional abrasives, Diamond Cloth can provide a superior finish with fewer steps which reduces process time and extends product life. The water-resistant backing performs well in both wet and dry applications. And the products' overall toughness makes them ideal for many hard to finish material such as stones, coatings, ceramics, decorative glass, composites, rubber and so much more. Call us and we will be pleased to discuss our Diamond Cloth Products with you.

DESCRIPTION	MICRON	MESH	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
8" x NH (203mm x NH), Resin Bond, PSA Back 	165	100	PSI-49165-8	Call for pricing or Register on the web store		
	125	120	Psi-49125-8			
	70	220	PSI-4970-8	Register at www.psidragon.com		
	45	400	PSI-4945-8			
	30	600	PSI-4930-8	Contact us at info@psidragon.com		
	15	1200	PSI-4915-8			
	9	1800	PSI-4909-8	Call us at +1-713-426-2220 or 800-843-0950		
	6	3000	PSI-4906-8			
	3	8000	PSI-4903-8	Call for pricing or Register on the web store		
	0.5	50000	PSI-49.5-8			
10" x NH (254mm x NH), Resin Bond, PSA Back 	165	100	PSI-49165-10	Register at www.psidragon.com		
	125	120	Psi-49125-10			
	70	220	PSI-4970-10	Contact us at info@psidragon.com		
	45	400	PSI-4945-10			
	30	600	PSI-4930-10	Call us at +1-713-426-2220 or 800-843-0950		
	15	1200	PSI-4915-10			
	9	1800	PSI-4909-10	Call for pricing or Register on the web store		
	6	3000	PSI-4906-10			
	3	8000	PSI-4903-10	Register at www.psidragon.com		
	0.5	50000	PSI-49.5-10			
10" x NH (254mm x NH), Resin Bond, PSA Back 	165	100	PSI-49165-12	Contact us at info@psidragon.com		
	125	120	Psi-49125-12			
	70	220	PSI-4970-12	Call us at +1-713-426-2220 or 800-843-0950		
	45	400	PSI-4945-12			
	30	600	PSI-4930-12	Call for pricing or Register on the web store		
	15	1200	PSI-4915-12			
	9	1800	PSI-4909-12	Register at www.psidragon.com		
	6	3000	PSI-4906-12			
	3	8000	PSI-4903-12	Contact us at info@psidragon.com		
	0.5	50000	PSI-49.5-12			

PSA = Pressure Sensitive Adhesive

NH = No Hole



OPERATION: POLISHING

PRODUCT: PSI DIAMOND LAPPING FILM DISCS

PSI Diamond Lapping Film is a micron graded, precision thickness polyester film, slurry coated with diamond particles. This unique product enables the Materials Scientist to polish the most difficult hard and mixed hardness materials quickly, without particle pull-out and with flatness determined by the flatness of the substrate. PSI Diamond Lapping Film Type A is a single layer of the specified grade diamond particles resin bonded to the film backing. Type A is excellent for polishing applications where very little material removal is required. It will have a shorter life than the other two types, but it gives a better finish grade for grade. Current applications include TEM sample preparation, printed circuit board failure analysis and aerospace composite materials. PSI Diamond Lapping Film Type B consist of diamond particles encapsulated in small soft ceramic beads, which are then resin coated to the polyester film backing. This results in a longer lasting more aggressive product than the Type A product. As the ceramic beads wear, fresh diamond particles are exposed to work on the specimen surface. Successful applications include tungsten carbide specimen preparation, dental materials research, nickel base super alloys, high speed tool steel and others. PSI Diamond Lapping Film Type P shares characteristics of both Type A and Type B. Type P consist of diamond particles directly bonded to the polyester film with a very hard resin. This results in a product which works aggressively due to the large particle size, but because of the harder resin, exhibits a long life. Diamond Lapping Film Type P is used for fine grinding and flattening prior to use of the other products. To facilitate trials of this product, call PSI to discuss your application.

DESCRIPTION	MICRON	COLOR	PSI #	EACH	LEVEL 2 10/order	LEVEL 3 30/order
 3M	8" x NH (203mm x NH), Plain Back, Type P	60	Amber	PSI-1460D-8P	Call for pricing or Register on the web store	
	Plain Back, Type A	45	Amber	PSI-1445D-8P		
		30	Green	PSI-1430D-8A	Register at www.psidragon.com	
		15	Orange	PSI-1415D-8A		
		9	Blue	PSI-1409D-8A	Contact us at info@psidragon.com	
		6	Brown	PSI-1406D-8A		
		3	Pink	PSI-1403D-8A	Call us at +1-713-426-2220 or 800-843-0950	
		1	Lavender	PSI-1401D-8A		
		.5	Off White	PSI-14.5D-8A	Call for pricing or Register on the web store	
		.1	Gray Green	PSI-14.1D-8A		
 3M	8" x NH (203mm x NH), Plain Back, Type B	9	Blue	PSI-1409D-8	Register at www.psidragon.com	
		6	Brown	PSI-1406D-8		
		3	Pink	PSI-1403D-8	Contact us at info@psidragon.com	
		1	Lavender	PSI-1401D-8		
		.5	Off White	PSI-14.5D-8	Call us at +1-713-426-2220 or 800-843-0950	
 3M	8" x NH (203mm x NH), PSA Back, Type P	60	Amber	PSI-1360D-8P		
	PSA Back, Type A	45	Amber	PSI-1345D-8P	Call for pricing or Register on the web store	
		30	Green	PSI-1330D-8A		
		15	Orange	PSI-1315D-8A	Register at www.psidragon.com	
		9	Blue	PSI-1309D-8A		
		6	Brown	PSI-1306D-8A	Contact us at info@psidragon.com	
		3	Pink	PSI-1303D-8A		
		1	Lavender	PSI-1301D-8A	Call us at +1-713-426-2220 or 800-843-0950	
		.5	Off White	PSI-13.5D-8A		
		.1	Gray Green	PSI-13.1D-8A	Call for pricing or Register on the web store	
 3M	8" x NH (203mm x NH), PSA Back, Type B	9	Blue	PSI-1309D-8		
		6	Brown	PSI-1306D-8	Register at www.psidragon.com	
		3	Pink	PSI-1303D-8		
		1	Lavender	PSI-1301D-8	Contact us at info@psidragon.com	
		.5	Off White	PSI-13.5D-8		

PSA = Pressure Sensitive Adhesive

NH = No Hole

OPERATION: POLISHING

PRODUCT: PSI DIAMOND LAPPING FILM DISCS (continued)

DESCRIPTION	MICRON	COLOR	PSI #	EACH	LEVEL 2 10/order	LEVEL 3 30/order
12" x NH (305mm x NH), Plain Back , Type P Plain Back , Type A 	60	Amber	PSI-1460D-12P	Call for pricing or Register on the web store		
	45	Amber	PSI-1445D-12P			
	30	Green	PSI-1430D-12A	Register at www.psidragon.com		
	15	Orange	PSI-1415D-12A			
	9	Blue	PSI-1409D-12A	Contact us at info@psidragon.com		
	6	Brown	PSI-1406D-12A			
	3	Pink	PSI-1403D-12A	Call us at +1-713-426-2220 or 800-843-0950		
	1	Lavender	PSI-1401D-12A			
	.5	Off White	PSI-14.5D-12A	Call for pricing or Register on the web store		
	.1	Gray Green	PSI-14.1D-12A			
12" x NH (305mm x NH), Plain Back , Type B 	9	Blue	PSI-1409D-12	Register at www.psidragon.com		
	6	Brown	PSI-1406D-12			
	3	Pink	PSI-1403D-12	Contact us at info@psidragon.com		
	1	Lavender	PSI-1401D-12			
	.5	Off White	PSI-14.5D-12	Call us at +1-713-426-2220 or 800-843-0950		
12" x NH (305mm x NH), PSA Back , Type P PSA Back , Type A 	60	Amber	PSI-1360D-12P			
	45	Amber	PSI-1345D-12P	Call for pricing or Register on the web store		
	30	Green	PSI-1330D-12A			
	15	Orange	PSI-1315D-12A	Register at www.psidragon.com		
	9	Blue	PSI-1309D-12A			
	6	Brown	PSI-1306D-12A	Contact us at info@psidragon.com		
	3	Pink	PSI-1303D-12A			
	1	Lavender	PSI-1301D-12A	Call us at +1-713-426-2220 or 800-843-0950		
	.5	Off White	PSI-13.5D-12A			
12" x NH (305mm x NH), PSA Back , Type B 	.1	Gray Green	PSI-13.1D-12A	Call for pricing or Register on the web store		
	9	Blue	PSI-1309D-12			
	6	Brown	PSI-1306D-12	Register at www.psidragon.com		
	3	Pink	PSI-1303D-12			
	1	Lavender	PSI-1301D-12	Contact us at info@psidragon.com		
	.5	Off White	PSI-13.5D-12			

PSA = Pressure Sensitive Adhesive

NH = No Hole

GRADE COMPARISON CHART

MICRON	ANSI (U.S.)	FEPA (EUROPEAN)
250	60	60
200	80	800
160	100	100
125	120	120
100	150	150
80	180	180
75	200	200
60	220	240
40	320	360
30	400	600
20	500	1000
15	800	1200
9	1200	2000
6	1500	2500
3	1800	3000
1	2000	N/A

OPERATION: POLISHING

PRODUCT: PSI LAPPING FILM DISCS

PSI Lapping Film is a micron graded precision polyester film coated with either Al₂O₃ or SiC particles. The slurry coating process and resin bonding system used by 3M results in a mildly aggressive product which performs a polishing action on metallurgical samples. PSI Lapping Film performs best when used on soft to medium soft (Rc20-40) ferrous and non-ferrous materials where sample constituents do not vary in hardness dramatically. The precision film backing insures excellent flatness and edge retention on already flat specimens.

DESCRIPTION	MICRON	COLOR	PSI #	EACH	LEVEL 2 10/order	LEVEL 3 30/order
 8" x NH (203mm x NH), Aluminum Oxide, Plain Back , 50/pk 	30	Green	PSI-1430-8	Call for pricing or Register on the web store		
	12	Yellow	PSI-1412-8			
	9	Light Blue	PSI-1409-8	Register at www.psidragon.com		
	5	Brown	PSI-1405-8			
	3	Pink	PSI-1403-8	Contact us at info@psidragon.com		
	1	Light Green	PSI-1401-8			
	.3	White	PSI-14.3-8	Call us at +1-713-426-2220 or 800-843-0950		
 8" x NH (203mm x NH), Silicon Carbide, Plain Back , 50/pk	30	Dark Green	PSI-1430S-8			
	15	Gray	PSI-1415S-8	Call for pricing or Register on the web store		
	9	Gray	PSI-1409S-8			
	5	Gray	PSI-1405S-8	Register at www.psidragon.com		
 8" x NH (203mm x NH), Aluminum Oxide, PSA Back , 50/pk 	40	Dark blue	PSI-1340-8			
	30	Green	PSI-1330-8	Contact us at info@psidragon.com		
	12	Yellow	PSI-1312-8			
	9	Light Blue	PSI-1309-8	Call us at +1-713-426-2220 or 800-843-0950		
	3	Pink	PSI-1303-8			
	1	Light Green	PSI-1301-8	Call for pricing or Register on the web store		
	.3	White	PSI-13.3-8			
 8" x NH (203mm x NH), Silicon Carbide, PSA Back , 50/pk	30	Dark Green	PSI-1330S-8	Register at www.psidragon.com		
	15	Gray	PSI-1315S-8			
	9	Gray	PSI-1309S-8	Contact us at info@psidragon.com		
	5	Gray	PSI-1305S-8			
 12" x NH (305mm x NH), Aluminum Oxide, Plain Back 50/pk 	30	Green	PSI-1430-12	Call us at +1-713-426-2220 or 800-843-0950		
	12	Yellow	PSI-1412-12			
	9	Light Blue	PSI-1409-12	Call for pricing or Register on the web store		
	5	Brown	PSI-1405-12			
	3	Pink	PSI-1403-12	Register at www.psidragon.com		
	1	Light Green	PSI-1401-12			
	.3	White	PSI-14.3-12	Contact us at info@psidragon.com		
 12" x NH (305mm x NH), Silicon Carbide, Plain Back , 50/pk	30	Dark Green	PSI-1430S-12			
	15	Gray	PSI-1415S-12	Call us at +1-713-426-2220 or 800-843-0950		
	9	Gray	PSI-1409S-12			
	5	Gray	PSI-1405S-12	Call for pricing or Register on the web store		
 12" x NH (305mm x NH), Aluminum Oxide, PSA Back , 50/pk 	30	Green	PSI-1330-12			
	12	Yellow	PSI-1312-12	Register at www.psidragon.com		
	9	Light Blue	PSI-1309-12			
	3	Pink	PSI-1303-12	Contact us at info@psidragon.com		
	1	Light Green	PSI-1301-12			
	.3	White	PSI-13.3-12	Call us at +1-713-426-2220 or 800-843-0950		
 12" x NH (305mm x NH), Silicon Carbide, PSA Back , 50/pk	30	Dark Green	PSI-1330S-12			
	15	Gray	PSI-1315S-12	Call for pricing or Register on the web store		
	9	Gray	PSI-1309S-12			
	5	Gray	PSI-1305S-12	Register at www.psidragon.com		

* Different Quantity Per Package.

PSA = Pressure Sensitive Adhesive

NH = No Hole

OPERATION: POLISHING

PRODUCT: PSI POLISHING POWDERS & SUSPENSIONS

PSI Polishing Powders are used in the final polishing step for many materials. These products are very carefully manufactured and graded to meet the Materials Scientists most exacting specifications. When working with these extra fine particulate materials, extra care must be taken to avoid contamination. PSI Hi-Purity Alumina Powder is of the deagglomerated form, insuring maximum specimen exposure to particle cutting edges and prevention of particle clumping.

DESCRIPTION	UNIT	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
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HI-PURITY ALUMINA POWDER

5.0 MICRON, LEVIGATED	1 lb (.45kg)	PSI-5650-1			
	5 lb (2.3kg)	PSI-5650-5	Call for pricing or Register on the web store		
1.0 MICRON, HEXAGONAL	1 lb (.45kg)	PSI-5601-1			
	5 lb (2.3kg)	PSI-5601-5	Register at www.psidragon.com		
0.3 MICRON, HEXAGONAL	1 lb (.45kg)	PSI-5603-1			
	5 lb (2.3kg)	PSI-5603-5	Contact us at info@psidragon.com		
0.05 MICRON, CUBIC	1 lb (.45kg)	PSI-5605-1			
	5 lb (2.3kg)	PSI-5605-5	Call us at +1-713-426-2220 or 800-843-0950		



HI-PURITY ALUMINA SUSPENSION

5.0 MICRON, LEVIGATED	6 oz (.18L)	PSI-5650S-6			
	1 gal (3.8L)	PSI-5650S-128	Call for pricing or Register on the web store		
1.0 MICRON, HEXAGONAL	6 oz (.18L)	PSI-5601S-6			
	1 gal (3.8L)	PSI-5601S-128	Register at www.psidragon.com		
0.3 MICRON, HEXAGONAL	6 oz (.18L)	PSI-5603S-6			
	1 gal (3.8L)	PSI-5603S-128	Contact us at info@psidragon.com		
0.05 MICRON, CUBIC	6 oz (.18L)	PSI-5605S-6			
	1 gal (3.8L)	PSI-5605S-128	Call us at +1-713-426-2220 or 800-843-0950		
1.0 MICRON	6 oz (.18L)	PSI-5601S-6AU			
	1 gal (3.8L)	PSI-5601S-128AU	Call for pricing or Register on the web store		
0.3 MICRON	6 oz (.18L)	PSI-5603S-6AU			
	1 gal (3.8L)	PSI-5603S-128AU	Register at www.psidragon.com		
0.05 MICRON	6 oz (.18L)	PSI-5605S-6AU			
	1 gal (3.8L)	PSI-5605S-128	Contact us at info@psidragon.com		



MISCELLANEOUS POWDERS

CHROMIC OXIDE, 7 MICRON	1 lb (.45kg)	PSI-5907-1			
IRON OXIDE, 3 MICRON	1 lb (.45kg)	PSI-5903-1	Call us at +1-713-426-2220 or 800-843-0950		
MAGNESIUM OXIDE, 1 MICRON	1 lb (.45kg)	PSI-5902-1			



MISCELLANEOUS SUSPENSIONS

CERIUM OXIDE, 1 MICRON	6 oz (.18L)	PSI-5911S-6			
ALOXSIL BLEND, 0.05 MICRON	16 oz (.48L)	PSI-5950S-16	Call for pricing or Register on the web store		
	32 oz (.96L)	PSI-5950S-32			
	1 gal (3.8L)	PSI-5950S-128	Register at www.psidragon.com		
COLLOIDAL SILICA, 0.04 MICRON	16 oz (.48L)	PSI-5904S-16			
	64 oz (1.89L)	PSI-5904S-64	Contact us at info@psidragon.com		
	1 gal (3.8L)	PSI-5904S-128			



* Difference in quantity.

OPERATION: POLISHING

PRODUCT: PSI DIAMOND COMPOUND

PSI Diamond Products are used in the polishing step for all materials. PSI offers Monocrystalline Diamond Compound in standard and heavy concentrations. A variety of Diamond Extenders are also available to meet your needs. This catalog introduces two new products from PSI: Natural Diamond Compounds for critical applications and Diamond Suspensions which are non-clogging permanent suspensions available with either monocrystalline or polycrystalline diamond. All diamond particles used in PSI products are graded to the stringent American National Standards Specification PS 62-74.

DESCRIPTION	MICRON	COLOR	GRAMS	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
STANDARD CONCENTRATION							
ROUGH FINISH	45	Purple	5	PSI-545-5			
	45	Purple	18	PSI-545-18	Call for pricing or Register on the web store		
	30	Mahogany	5	PSI-530-5			
	30	Mahogany	18	PSI-530-18	Register at www.psidragon.com		
MIDDLE FINISH	15	Brown	5	PSI-515-5			
	15	Brown	18	PSI-515-18	Contact us at info@psidragon.com		
	9	Red	5	PSI-509-5			
	9	Red	18	PSI-509-18	Call us at +1-713-426-2220 or 800-843-0950		
FINAL FINISH	6	Yellow	5	PSI-506-5			
	6	Yellow	18	PSI-506-18	Call for pricing or Register on the web store		
	3	Green	5	PSI-503-5			
	3	Green	18	PSI-503-18	Register at www.psidragon.com		
ULTIMATE FINISH	1	Blue	5	PSI-501-5			
	1	Blue	18	PSI-501-18	Contact us at info@psidragon.com		
	.5	Turquoise	5	PSI-5.5-5			
	.5	Turquoise	18	PSI-5.5-18	Call us at +1-713-426-2220 or 800-843-0950		
	.25	Gray	5	PSI-500-5			
	.25	Gray	18	PSI-500-18	Call for pricing or Register on the web store		
	.1	Charcoal	5	PSI-5.1-5			
	.1	Charcoal	18	PSI-5.1-18	Register at www.psidragon.com		
HEAVY CONCENTRATION							
ROUGH FINISH	45	Purple	5	PSI-545H-5			
	45	Purple	18	PSI-545H-18	Contact us at info@psidragon.com		
	30	Mahogany	5	PSI-530H-5			
	30	Mahogany	18	PSI-530H-18	Call us at +1-713-426-2220 or 800-843-0950		
MIDDLE FINISH	15	Brown	5	PSI-515H-5			
	15	Brown	18	PSI-515H-18	Call for pricing or Register on the web store		
	9	Red	5	PSI-509H-5			
	9	Red	18	PSI-509H-18	Register at www.psidragon.com		
FINAL FINISH	6	Yellow	5	PSI-506H-5			
	6	Yellow	18	PSI-506H-18	Contact us at info@psidragon.com		
	3	Green	5	PSI-503H-5			
	3	Green	18	PSI-503H-18	Call us at +1-713-426-2220 or 800-843-0950		
ULTIMATE FINISH	1	Blue	5	PSI-501H-5			
	1	Blue	18	PSI-501H-18	Call for pricing or Register on the web store		
NATURAL DIAMOND							
ROUGH FINISH	30	Mahogany	5	PSI-530N-5			
MIDDLE FINISH	15	Brown	5	PSI-515NH-5	Register at www.psidragon.com		
	9	Red	5	PSI-509NH-5			
FINAL FINISH	6	Yellow	5	PSI-506N-5	Contact us at info@psidragon.com		
	3	Green	5	PSI-503NH-5			
ULTIMATE FINISH	1	Blue	5	PSI-501N-5	Call us at +1-713-426-2220 or 800-843-0950		
	.5	Turquoise	5	PSI-5.5N-5			
	.25	Gray	5	PSI-500N-5	Call for pricing or Register on the web store		
	.1	Charcoal	5	PSI-5.1N-5			

OPERATION: POLISHING

PRODUCT: PSI DIAMOND SUSPENSIONS

DESCRIPTION	MICRON	COLOR	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
MONOCRYSTALLINE DIAMOND, Non-Clogging Formula	45	Purple	PSI-545MC-16	Call for pricing or Register on the web store		
	45	Purple	PSI-545MC-64			
	45	Purple	PSI-545MC-128	Register at www.psidragon.com		
	30	Mahogany	PSI-530MC-16			
	30	Mahogany	PSI-530MC-64	Contact us at info@psidragon.com		
	30	Mahogany	PSI-530MC-128			
	15	Brown	PSI-515MC-16	Call us at +1-713-426-2220 or 800-843-0950		
	15	Brown	PSI-515MC-64			
	15	Brown	PSI-515MC-128	Call for pricing or Register on the web store		
	9	Red	PSI-509MC-16			
	9	Red	PSI-509MC-64	Register at www.psidragon.com		
	9	Red	PSI-509MC-128			
	6	Yellow	PSI-506MC-16	Contact us at info@psidragon.com		
	6	Yellow	PSI-506MC-64			
	6	Yellow	PSI-506MC-128	Call us at +1-713-426-2220 or 800-843-0950		
	3	Green	PSI-503MC-16			
	3	Green	PSI-503MC-64	Call for pricing or Register on the web store		
	3	Green	PSI-503MC-128			
	1	Blue	PSI-501MC-16	Register at www.psidragon.com		
	1	Blue	PSI-501MC-64			
	1	Blue	PSI-501MC-128	Contact us at info@psidragon.com		
	.5	Turquoise	PSI-5.5MC-16			
	.5	Turquoise	PSI-5.5MC-64	Call us at +1-713-426-2220 or 800-843-0950		
	.5	Turquoise	PSI-5.5MC-128			
	.25	Gray	PSI-500MC-16	Call for pricing or Register on the web store		
	.25	Gray	PSI-500MC-64			
	.25	Gray	PSI-500MC-128	Register at www.psidragon.com		
	.1	Charcoal	PSI-5.1MC-16			
	.1	Charcoal	PSI-5.1MC-64	Contact us at info@psidragon.com		
	.1	Charcoal	PSI-5.1MC-128			



OPERATION: POLISHING

PRODUCT: PSI DIAMOND SUSPENSIONS (continued)

DESCRIPTION	MICRON	COLOR	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
POLYCRYSTALLINE DIAMOND, Non-Clogging Formula,	30	Black	PSI-530PC-16	Call for pricing or Register on the web store		
	30	Black	PSI-530PC-64			
	30	Black	PSI-530PC-128	Register at www.psidragon.com		
	15	Black	PSI-515PC-16			
	15	Black	PSI-515PC-64	Contact us at info@psidragon.com		
	15	Black	PSI-515PC-128			
	9	Black	PSI-509PC-16	Call us at +1-713-426-2220 or 800-843-0950		
	9	Black	PSI-509PC-64			
	9	Black	PSI-509PC-128	Call for pricing or Register on the web store		
	6	Black	PSI-506PC-16			
	6	Black	PSI-506PC-64	Register at www.psidragon.com		
	6	Black	PSI-506PC-128			
	3	Black	PSI-503PC-16	Contact us at info@psidragon.com		
	3	Black	PSI-503PC-64			
	3	Black	PSI-503PC-128	Call us at +1-713-426-2220 or 800-843-0950		
	1	Black	PSI-501PC-16			
	1	Black	PSI-501PC-64	Call for pricing or Register on the web store		
	1	Black	PSI-501PC-128			
	.5	Black	PSI-5.5PC-16	Register at www.psidragon.com		
	.5	Black	PSI-5.5PC-64			
	.5	Black	PSI-5.5PC-128	Contact us at info@psidragon.com		
	.25	Black	PSI-500PC-16			
	.25	Black	PSI-500PC-64	Call us at +1-713-426-2220 or 800-843-0950		
	.25	Black	PSI-500PC-128			
	.1	Black	PSI-5.1PC-16	Call for pricing or Register on the web store		
	.1	Black	PSI-5.1PC-64			
	.1	Black	PSI-5.1PC-128	Register at www.psidragon.com		

OPERATION: POLISHING

PRODUCT: PSI DIAMOND COMPUND

DESCRIPTION	MICRON	COLOR	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
Rough Finish	45	Purple	PSI-545MC-100B	Call for pricing or Register on the web store		
	30	Mahogany	PSI-530MC-100B			
Middle Finish	15	Brown	PSI-515MC-100B	Register at www.psidragon.com		
	9	Red	PSI-509MC-100B			
Final Finish	6	Yellow	PSI-506MC-100B	Contact us at info@psidragon.com		
	3	Green	PSI-503MC-100B			
Ultimate Finish	1	Blue	PSI-501MC-100B	Call us at +1-713-426-2220 or 800-843-0950		
	.5	Turquoise	PSI-506MC-100B			
	.25	Gray	PSI-500MC-100B	Call for pricing or Register on the web store		
	.1	Charcoal	PSI-5.1MC-100B			



PRODUCT: PSI DIAMOND EXTENDERS

DESCRIPTION	SIZE	COLOR	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
LAPPING SOLUTION	1 qt (.95L)	Pink	PSI-541-1	Register at www.psidragon.com		
	1 gal (3.8L)	Pink	PSI-541-4			
UNIVERSALLY SOLUBLE	1 qt (.95L)	Orange	PSI-542-1	Contact us at info@psidragon.com		
	1 gal (3.8L)	Orange	PSI-542-4			
OIL SOLUBLE	1 qt (.95L)	Opaque	PSI-543-1	Call us at +1-713-426-2220 or 800-843-0950		
	1 gal (3.8L)	Opaque	PSI-543-4			
ALCOHOL BASE	1 qt (.95L)	Blue	PSI-544-1	Call for pricing or Register on the web store		
	1 gal (3.8L)	Blue	PSI-544-4			
WATER SOLUBLE	1 qt (.95L)	Green	PSI-546-1	Register at www.psidragon.com		
	1 gal (3.8L)	Green	PSI-546-4			



OPERATION: POLISHING

PRODUCT: PSI POLISHING CLOTHS

Polishing Cloth selection is as critical to the polishing operation as the polishing compound. Designed to fit the popular metallurgical lab equipment, Polishing Cloths are available in several sizes with either Plain Back (PB) or with a Pressure Sensitive Adhesive Back (PSA).

DESCRIPTION	WHEEL SIZE	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
NYLON - A synthetic napless cloth, used with diamond compound or the very fine aluminas. Good for most materials, helps maintain sample flatness.					
10" x NH (254mm x NH), Plain Back , 10/pk	10" (254mm)	605-10			
12" x NH (305mm x NH), Plain Back , 10/pk	12" (305mm)	605-12	Call for pricing or Register on the web store		
14" x NH (356mm x NH), Plain Back , 10/pk	14" (356mm)	605-14			
8" x NH (203mm x NH), PSA Back , 10/pk	8" (203mm)	606-8	Register at www.psidragon.com		
12" x NH (305mm x NH), PSA Back , 10/pk	12" (305mm)	606-12			
SILK - A natural napless cloth, used with diamond compound or coarser abrasive aluminas. Good for initial rough polish.					
10" x NH (254mm x NH), Plain Back , 10/pk	10" (254mm)	608-10			
12" x NH (305mm x NH), Plain Back , 10/pk	12" (305mm)	608-12	Contact us at info@psidragon.com		
14" x NH (356mm x NH), Plain Back , 10/pk	14" (356mm)	608-14			
SWAY TEX -					
8" x NH (203mm x NH), PSA Back , 10/pk	8" (203mm)	609-8			
10" x NH (254mm x NH), Plain Back , 10/pk	10" (254mm)	609-10	Call us at +1-713-426-2220 or 800-843-0950		
12" x NH (305mm x NH), Plain Back , 10/pk	12" (305mm)	609-12			
SELVYT - A natural medium nap cloth, used with coarse and fine aluminas. Good for full-spectrum work, rough to final finishing.					
10" x NH (254mm x NH), Plain Back , 10/pk	10" (254mm)	612-10			
12" x NH (305mm x NH), Plain Back , 10/pk	12" (305mm)	612-12	Call for pricing or Register on the web store		
14" x NH (356mm x NH), Plain Back , 10/pk	14" (356mm)	612-14			
KITTEN CLOTH - A natural short nap cloth, used with fine aluminas. Good for final polishing of most materials.					
10" x NH (254mm x NH), Plain Back , 10/pk	10" (254mm)	614-10			
12" x NH (305mm x NH), Plain Back , 10/pk	12" (305mm)	614-12	Register at www.psidragon.com		
14" x NH (356mm x NH), Plain Back , 10/pk	14" (356mm)	614-14			
8" x NH (203mm x NH), PSA Back , 10/pk	8" (203mm)	615-8	Contact us at info@psidragon.com		
12" x NH (305mm x NH), PSA Back , 10/pk	12" (305mm)	615-12			
COTLAP - A natural short nap cloth, used with coarse diamond and aluminas. Good for rough polishing of softer materials.					
10" x NH (254mm x NH), Plain Back , 10/pk	10" (254mm)	617-10			
12" x NH (305mm x NH), Plain Back , 10/pk	12" (305mm)	617-12	Call us at +1-713-426-2220 or 800-843-0950		
14" x NH (356mm x NH), Plain Back , 10/pk	14" (356mm)	617-14			
CHEM CLOTH-					
8" x NH (203mm x NH), PSA Back , 10/pk	8" (203mm)	619-8			
10" x NH (254mm x NH), PSA Back , 10/pk	10" (254mm)	619-10	Call for pricing or Register on the web store		
12" x NH (305mm x NH), PSA Back , 10/pk	12" (305mm)	619-12			
FINAL FINISH - A synthetic short nap cloth, used with finer aluminas and diamond. Good for final polishing of most materials					
10" x NH (254mm x NH), Plain Back , 10/pk	8" (203mm)	620-10			
12" x NH (305mm x NH), Plain Back , 10/pk	10" (254mm)	620-12	Register at www.psidragon.com		
14" x NH (356mm x NH), Plain Back , 10/pk	12" (305mm)	620-14			
8" x NH (203mm x NH), PSA Back , 10/pk	8" (203mm)	621-8	Contact us at info@psidragon.com		
8" x 2.5" (203mm x 64mm), PSA Back , 10/pk	8" (203mm)	622-8			
10" x NH (254mm x NH), PSA Back , 10/pk	10" (254mm)	621-10	Call us at +1-713-426-2220 or 800-843-0950		
12" x NH (305mm x NH), PSA Back , 10/pk	12" (305mm)	621-12			

PSA = Pressure Sensitive Adhesive

NH = No Hole

OPERATION: POLISHING

PRODUCT: PSI POLISHING CLOTHS (continued)

DESCRIPTION	WHEEL SIZE	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
SLEEKIT - Sseekit- A thin white 100% acetate material, with multi-filament tightly woven fibers for surface strength. Good for soft metals, including aluminum, as well as other applications requiring a thin, firm surface.					
8" x NH (203mm x NH), PSA Back , 10/pk	8" (203mm)	627-8			
10" x NH (254mm x NH), PSA Back , 10/pk	10" (254mm)	627-10	Call for pricing or Register on the web store		
12" x NH (305mm x NH), PSA Back , 10/pk	12" (305mm)	627-12			
NAVY WOOL -					
8" x NH (203mm x NH), PSA Back , 10/pk	8" (203mm)	629-8			
10" x NH (254mm x NH), PSA Back , 10/pk	10" (254mm)	629-10	Register at www.psidragon.com		
12" x NH (305mm x NH), PSA Back , 10/pk	12" (305mm)	629-12			
IMPERIAL - A 20 mil rayon flock electrostatically coated onto a 3 mil polyester film. Good for final polishing of most materials.					
8" x NH (203mm x NH), PSA Back , 10/pk	8" (203mm)	631-8			
10" x NH (254mm x NH), PSA Back , 10/pk	10" (254mm)	631-10	Contact us at info@psidragon.com		
12" x NH (305mm x NH), PSA Back , 10/pk	12" (305mm)	631-12			
RED FELT - A natural short nap cloth, used with coarser silicon carbides and aluminas. Good for rough polishing of ferrous materials.					
8" x NH (203mm x NH), PSA Back , 10/pk	8" (203mm)	651-8			
10" x NH (254mm x NH), PSA Back , 10/pk	10" (254mm)	651-10	Call us at +1-713-426-2220 or 800-843-0950		
12" x NH (305mm x NH), PSA Back , 10/pk	12" (305mm)	651-12			
GREEN BILLIARD - A natural short nap cloth, used with coarser aluminas. Good for rough polishing of ferrous materials as well as petrographic and lapidary work.					
10" x NH (254mm x NH), Plain Back , 10/pk	8" (203mm)	655-10			
12" x NH (305mm x NH), Plain Back , 10/pk	10" (254mm)	655-12	Call for pricing or Register on the web store		
14" x NH (356mm x NH), Plain Back , 10/pk	12" (305mm)	655-14			
PELLON - A synthetic napless chemotextile material, used with diamond compound. Good for initial to final polish of steels, rocks and composites.					
8" x NH (203mm x NH), PSA Back , 10/pk	8" (203mm)	661-8			
10" x NH (254mm x NH), PSA Back , 10/pk	10" (254mm)	661-10	Register at www.psidragon.com		
12" x NH (305mm x NH), PSA Back , 10/pk	12" (305mm)	661-12			
14" x NH (356mm x NH), PSA Back , 10/pk	14" (356mm)	661-14	Contact us at info@psidragon.com		
PANMET - A harder, more durable pellon cloth. Good for hard materials. Used when cloth life is important.					
8" x NH (203mm x NH), PSA Back , 10/pk	8" (203mm)	663-8			
10" x NH (254mm x NH), PSA Back , 10/pk	10" (254mm)	663-10	Call us at +1-713-426-2220 or 800-843-0950		
12" x NH (305mm x NH), PSA Back , 10/pk	12" (305mm)	663-12			
WOVEN WOOL -					
8" x NH (203mm x NH), PSA Back , 5/pk	8" (203mm)	673-8			
10" x NH (254mm x NH), PSA Back , 5/pk	10" (254mm)	673-10	Call for pricing or Register on the web store		
12" x NH (305mm x NH), PSA Back , 5/pk	12" (305mm)	673-12			

PSA = Pressure Sensitive Adhesive

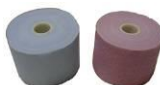
NH = No Hole



OPERATION: POLISHING

PRODUCT: PSI POLISHING PAPERS

PSI Polishing Paper is a special applications product. This wet or dry use material is a resin bonded construction, coated on a 7 mil thick non-woven synthetic backing. The materials are closely classified and specified by the more accurate micron grading system. Polishing Paper performs well on softer materials of mixed hardness.



DESCRIPTION	MICRON	MINERAL	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
DISCS, 8" x NH (203mm x NH), Plain Back , Wet or Dry, 50/pk 3M	30	Silicon Carbide	5030S-8	Call for pricing or Register on the web store		
	15	Silicon Carbide	5015S-8			
	9	Aluminum Oxide	5009-8	Register at www.psidragon.com		
	3	Aluminum Oxide	5003-8			
	1	Aluminum Oxide	5001-8	Contact us at info@psidragon.com		
DISCS, 8" x NH (203mm x NH), PSA Back , Wet or Dry, 50/pk 3M	30	Silicon Carbide	5130S-8			
	15	Silicon Carbide	5115S-8	Call us at +1-713-426-2220 or 800-843-0950		
	9	Aluminum Oxide	5109-8			
	3	Aluminum Oxide	5103-8	Call for pricing or Register on the web store		
	1	Aluminum Oxide	5101-8			
DISCS, 12" x NH (305mm x NH), Plain Back , Wet or Dry, 50/pk 3M	30	Silicon Carbide	5030S-12	Register at www.psidragon.com		
	15	Silicon Carbide	5015S-12			
	9	Aluminum Oxide	5009-12	Contact us at info@psidragon.com		
	3	Aluminum Oxide	5003-12			
	1	Aluminum Oxide	5001-12	Call us at +1-713-426-2220 or 800-843-0950		
DISCS, 12" x NH (305mm x NH), PSA Back , Wet or Dry, 50/pk 3M	30	Silicon Carbide	5130S-12			
	15	Silicon Carbide	5115S-12	Call for pricing or Register on the web store		
	9	Aluminum Oxide	5109-12			
	3	Aluminum Oxide	5103-12	Register at www.psidragon.com		
	1	Aluminum Oxide	5101-12			
ROLLS, 3" x 150' (76mm x 45.7m), Wet or Dry, Each 3M	30	Silicon Carbide	350S-30	Contact us at info@psidragon.com		
	15	Silicon Carbide	350S-15			
	9	Aluminum Oxide	350-9	Call us at +1-713-426-2220 or 800-843-0950		
	3	Aluminum Oxide	350-3			
	1	Aluminum Oxide	350-1	Call for pricing or Register on the web store		
ROLLS, 3 7/16" x 150' (87mm x 45.7m), Wet or Dry, Each 3M	30	Silicon Carbide	352S-30			
	15	Silicon Carbide	352S-15	Register at www.psidragon.com		
	9	Aluminum Oxide	352-9			
	3	Aluminum Oxide	352-3	Contact us at info@psidragon.com		
	1	Aluminum Oxide	352-1			
ROLLS, 4" x 150' (102mm x 46m), Wet or Dry, Each 3M	30	Silicon Carbide	354S-30	Call us at +1-713-426-2220 or 800-843-0950		
	15	Silicon Carbide	354S-15			
	9	Aluminum Oxide	354-9	Call for pricing or Register on the web store		
	3	Aluminum Oxide	354-3			
	1	Aluminum Oxide	354-1	Register at www.psidragon.com		

DESCRIPTION	MICRON	PSI #	EACH	LEVEL 2 25/order	LEVEL 3 50/order	LEVEL 4 100/order	LEVEL 5 200/order	LEVEL 6 600/order
SHEETS, 8.5" x 11" (216mm x 279mm), Plain Back , Wet or Dry	30	3430S-11	Contact us at info@psidragon.com					
	15	3415S-11						
	9	3409-11	Call us at +1-713-426-2220 or 800-843-0950					
	3	3403-11						
	2	3402-11	Call for pricing or Register on the web store					
	1	3401-11						

PSA = Pressure Sensitive Adhesive

NI = No Hole

OPERATION: FIELD METALLOGRAPHY

PRODUCT: PSI FIELD CONSUMABLES

DESCRIPTION	GRIT	PSI #	EACH	LEVEL 2 3/order	LEVEL 3 6/order
ABRASIVE DISCS, 1" x NH (25mm x NH), Silicon Carbide, PSA Back , Wet or Dry, 100/pk 	60	441-60	Call for pricing or Register on the web store		
	80	441-80			
	120	441-120	Register at www.psidragon.com		
	180	441-180			
	240	441-240	Contact us at info@psidragon.com		
	320	441-320			
	400	441-400	Call us at +1-713-426-2220 or 800-843-0950		
	600	441-600			
ABRASIVE DISCS, Silicon Carbide, 1.25" x NH (32mm x NH), Silicon Carbide, PSA Back , Wet or Dry, 100/pk 	60	443-60	Call for pricing or Register on the web store		
	80	443-80			
	120	443-120	Register at www.psidragon.com		
	180	443-180			
	240	443-240	Contact us at info@psidragon.com		
	320	443-320			
	400	443-400	Call us at +1-713-426-2220 or 800-843-0950		
	600	443-600			
	1200	443-1200	Call for pricing or Register on the web store		
	1500	443-1500			
MICROFINISHIN FILM DISCS ROLL 1.25" x NH (32mm x NH), Silicon Carbide PSA Back 	120	443-120DR			
	180	443-180DR	Contact us at info@psidragon.com		
	240	443-240DR			
	320	443-320DR	Call us at +1-713-426-2220 or 800-843-0950		
	400	443-400DR			
	600	443-600DR	Call for pricing or Register on the web store		
ABRASIVE DISCS ROLL 1.25" x NH (32mm x NH), Silicon Carbide PSA Back 	1200	443-1200DR			
	1500	443-1500DR	Register at www.psidragon.com		
	2000	443-2000DR			
	2500	443-2500DR	Contact us at info@psidragon.com		
	3000	443-3000DR			
PSA DISC HOLDER, 1" Diameter, 1/4" Shaft		441-.25	Call us at +1-713-426-2220 or 800-843-0950		
PSA DISC HOLDER, 32mm Diameter, 1/4" Shaft		443-.25			
REPLICA TAPE, 1 mil , 1" x 15' (25mm x 4.57m) Roll		290-1	Call for pricing or Register on the web store		
REPLICA TAPE, 5 mil , 1" x 15' (25mm x 4.57m) Roll		290-5			
MICROSCOPE SLIDES, 1" x 3" (25mm x 76mm), 144/pk		291-13	Register at www.psidragon.com		
KITTEN CLOTH, 1" x NH, PSA Back , 100/pk		615-1			
KITTEN CLOTH, 32mm x NH, PSA Back , 100/pk		615-32	Contact us at info@psidragon.com		
FINAL FINISH CLOTH, 1" x NH, PSA Back , 100/pk		621-1			
FINAL FINISH CLOTH, 32mm x NH, PSA Back , 100/pk		621-32	Call us at +1-713-426-2220 or 800-843-0950		
PELLON CLOTH, 1" x NH, PSA Back , 100/pk		661-1			
PELLON CLOTH, 32mm x NH, PSA Back , 100/pk		661-32	Call for pricing or Register on the web store		

PSA = Pressure Sensitive Adhesive NH = No Hole



OPERATION: FIELD METALLOGRAPHY

PRODUCT: PSI FIELD CONSUMABLES



DESCRIPTION	GRADE	PSI #	EACH	LEVEL 2 200/order	LEVEL 3 600/order
HOOK-IT DISCS, 4" x NH (102mm x NH), Each 	80	236U-4-HOOK-80	Call for pricing or Register on the web store		
	120	236U-4-HOOK-120			
	240	236U-4-HOOK-240	Register at www.psidragon.com		
	320	236U-4-HOOK-320			
	400	236U-4-HOOK-400	Contact us at info@psidragon.com		
	500	236U-4-HOOK-500			
ROLOC DISCS, 4" x NH (102mm x NH), Each 	60	444R-60	Call us at +1-713-426-2220 or 800-843-0950		
	120	444R-120			
	180	444R-180	Call for pricing or Register on the web store		
	400	444R-400			
TRIZACT DISCS, ROLOC, 3" x NH (76mm x NH), Each 	100	443TR-A160	Register at www.psidragon.com		
	135	443TR-A100			
	280	443TR-A45	Contact us at info@psidragon.com		
	600	443TR-A16			
TRIZACT DISCS, ROLOC, 2" x NH (51mm x NH), Each 	180	442TR-A80	Call us at +1-713-426-2220 or 800-843-0950		
	220	442TR-A65			
	360	442TR-A30	Call for pricing or Register on the web store		
	600	442TR-A16			
	1000	442TR-A6	Register at www.psidragon.com		

NH = No Hole

PSI DISC PADS & ACCESSORIES



DESCRIPTION	TYPE	SIZE	PSI #	EACH	LEVEL 2 5/order	LEVEL 3 15/order
HOOK-IT DISC PAD, 4-inch	Hook & Loop	4 inch	DQ-4-PAD-5/8-11	Contact us at info@psidragon.com		
ROLOC DISC PAD, 4-inch, 1/4" Shank	Roloc	4 inch	DR-4-MED-1/4S			
ROLOC DISC PAD, 3-inch, 1/4" Shank	Roloc	3 inch	DR-3-MED-1/4S	Call us at +1-713-426-2220 or 800-843-0950		
ROLOC DISC PAD, 2-inch, 1/4" Shank	Roloc	2 inch	DR-2-MED-1/4S			
ROLOC DISC PAD SHAFT, 1/4"-20	Adapter		DR-SHAFT-1/4-20	Call for pricing or Register on the web store		
ADAPTER, 5/8"-11 INT to 1/4"-20 EXT	Adapter		DR5/8-11:1/4-20			
ADAPTER, 5/8"-11 EXT to 1/4" SHAFT	Adapter		DR1/4S:5/8-11	Register at www.psidragon.com		

PSI FIELD ACCESSORIES



DESCRIPTION	GRIT	PSI #	EACH	LEVEL 2 5/order	LEVEL 3 15/order
CUT-OFF WHEEL MANDREL, 3/8" x 1 1/4"	N/A	102-M	Contact us at info@psidragon.com		
BOAT SAMPLE CUT-OFF WHEELS, 4" x 1/32" x 3/8", 5/pk	N/A	103-4			
DOUBLE SIDE ADHESIVE TAPE, 1" x 1296"	N/A	220-1	Call us at +1-713-426-2220 or 800-843-0950		
ABBEON PAINT PEN, Black, Opaque	Black	221-150-BLACK			
ABBEON PAINT PEN, Blue, Opaque	Blue	221-150-BLUE	Call for pricing or Register on the web store		
ABBEON PAINT PEN, White, Opaque	White	221-150-WHITE			
ABBEON PAINT PEN, Yellow, Opaque	Yellow	221-150-YELLOW	Register at www.psidragon.com		
FLAP WHEEL ADAPTOR, 1/4" Straight Shaft	N/A	443F-A			