



POLISHING PAPER

Polishing Paper is a special applications product available from PSI. This wet or dry use material, manufactured by the 3M Company, is a resin bonded abrasive coated on a 7 mil thick non-woven synthetic backing. The abrasive minerals are closely graded and specified by the more accurate micron grading system. Polishing Paper is available with silicon carbide abrasive in 30 and 15 micron grade, and aluminum oxide in 9, 3, 2 and 1 micron. Because of the "soft" resin bonding system used on this product, it is not a long lasting product. Used in the proper applications, however, its excellent polishing properties will make it an economical alternative.

Polishing Paper is available in the usual forms common to popular met lab equipment and well as manual applications. Discs and sheets are available with either a Plain Backing (PB) or with Pressure Sensitive Adhesive (PSA) backing. Rolls are available with the Plain Backing.

- Discs: 8" and 12" diameter
- Rolls: 3", 3 7/16", 4" x 150'
- Sheets: 8.5" x 11"



Polishing Paper performs well on a variety of materials, the common element being those with mixed hardness. One customer reports excellent

results on titanium implants, ceramic coated and bonded to human bone. Another customer has had favorable results on a powder metallurgy product involving high speed steel powder on an aluminum substrate. The same customer has also used PSI Polishing Paper on an aluminum/bronze powder alloy on an aluminum substrate. Both customers report previous problems with particle pull-out when using conventional grinding/polishing processes.

GRADE COMPARISON CHART				
Micron	Backing	ANSI	FEPA	Color
30	Plain or PSA	400	600	Green
15	Plain or PSA	800	1200	Gray
9	Plain or PSA	1200	2000	Light Blue
3	Plain or PSA	1800	3000	Pink
2	Plain	1900	3500	Aqua
1	Plain or PSA	2000	4000	Pale Green

Polishing Paper is supplied by other companies in our field only in the 15 micron silicon carbide product as "grit 600 soft cut" in discs, 4" rolls and 9"x11" sheets. If you have used this 600 grit soft cut successively in the one grade, a trial of the other grades available from PSI is warranted. PSI supplies Polishing Paper in every grade manufactured by 3M in all popular forms and backings for met lab or hand applications.

If your work involves polishing relatively softer materials with mixed hardness portions, you should try PSI Polishing Paper. Contact the PSI Office to discuss the appropriate specification to fit your equipment or application.

ORDER INFORMATION			
PART #	DESCRIPTION	PART #	DESCRIPTION
PSI-50XX-8	Disc,PB,8"xNH,AIOx,50/pk	PSI-51XX-12	Disc,PSA,12"xNH,AIOx,50/pk
PSI-50XXS-12	Disc,PB,12"xNH,SiC,50/pk	PSI-51XXS-8	Disc,PSA,8"xNH,SiC,50/pk
PSI-34XX-11	Sheet,PB,8.5"x11",AIOx,Each	PSI-35XX-11	Sheet,PSA,8.5"x11",AIOx,Each
PSI-34XXS-11	Sheet,PB,8.5"x11",SiC,Each	PSI-35XXS-11	Sheet,PSA,8.5"x11",SiC,Each
PSI-350-XX	Roll,3"x150',AIOx,each	PSI-354-XX	Roll,4"x150',AIOx,each
PSI-350S-XX	Roll,3"x150',SiC, each	PSI-354S-XX	Roll,4"x150',SiC, each
XX=Micron Grade PB=Plain Back		PSA=Pressure Sensitive Adhesive NH=No Hole	