

PRECISION SURFACES INTERNATIONAL

Polishing Cloth Selection

Name	CO-VEL, PSI-603AU
Material	Soft synthetic velvet with low nap
Recommended Medium	Diamond, 5um and above
Application	Copper, Aluminium, Porous Materials
Category	Super-Fine

Name	NYLON, PSI-606AU
Material	Oil resistant, medium hard, no nap
Recommended Medium	Diamond, 6um and above
Application	Ferrous materials, sintered carbide, cast irons
Category	Retain Flatness and hard phases

Name	SITEX, PSI-611
Material	Medium hard synthetic silk cloth
Recommended Medium	1-9um diamond paste or suspension
Application	Ferrous and nonferrous metals
Category	Rough polish

Name	CHEMOCLOTH, PSI-619
Material	Soft, spongy & porous, chemically resistant
Recommended Medium	0.05 Alumina suspension, colloidal silica
Application	Titanium, stainless, lead/tin, electronic packages
Category	Remove smear metal during CMP polishing

Name	FINAL FINISH, PSI-621AU
Material	Soft, long napped synthetic rayon
Recommended Medium	0.02-6um diamond and alumina suspensions
Application	General usage in final polishing steps
Category	Final polish

Name	DACTYL, PSI-625AU
Material	Hard woven, no nap, high removal rate
Recommended Medium	6um and up, diamond
Application	Ferrous materials, thermal spray coatings
Category	Replace final SiC grinding steps

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Polishing Cloth Selection

Name	IMPERIAL, PSI-631
Material	Low nap synthetic rayon
Recommended Medium	0.25-6um diamond, alumina suspensions, colloidal silica
Application	General usage final finish
Category	Final polishing step

Name	SKY BLUE, PSI-643AU
Material	Satin woven acetate
Recommended Medium	Diamond, 3-9um
Application	Ferrous Metals; Non-Ferrous Metals with and Petrography
Category	Intermediat polishing

Name	COCO BROWN, PSI-645AU
Material	Soft synthetic rayon with medium nap
Recommended Medium	0.25-1um diamond
Application	Ferrous and non-ferrous metals
Category	Final polishing step

Name	RIBBED WOOL, PSI-647AU
Material	Natural woven wool
Recommended Medium	Diamond, 3-6um
Application	Ferrous Metals; Non-Ferrous; Ceramics; Glass; petrographic
Category	Intermediate Polishing

Name	PELLON, PSI-661AU
Material	Non-woven pressed cloth
Recommended Medium	6-9um diamond
Application	Ceramics, carbides, hard metals, metal composites
Category	Material removal and flatness

Name	SATIN-TEX, PSI-681AU
Material	Synthetic woven cloth, no nap
Recommended Medium	1-9um diamond suspension
Application	Ferrous and nonferrous composit material, some plastics
Category	Maximize flatness and retain phases