

2021-2022
METALLOGRAPHIC CONSUMABLES
CATALOG



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Precision Surfaces International, Inc.

For over thirty years, Precision Surfaces International, Inc., has been a leader in supplying a full range of consumables for metallographic sample preparation and superfinishing. Our business model is simple: to give our customers great customer service, quick delivery and excellent products at competitive prices.

Starting from our home market of Houston, Texas, we have expanded to include customers throughout the U.S. and in many international markets. We continue to focus on constant product improvement and new product development. We look forward to working with you, and to providing you with the best possible materials for your application.

Precision Surfaces International, Inc.
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*We appreciate your business.
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is totally dependent on our
customers' goodwill.*



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PSI Abrasive Blades, 32mm Arbor

10 Pcs./Box

Description	Part No.
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10" x .075", Aluminum Oxide, RC 60+	PSI-110-10
10" x .075", Silicon Carbide, Hard NF	PSI-111-10
10" x .075", Aluminim Oxide, RC 45+	PSI-112-10
10" x .075", Silicon Carbide, Medium NF	PSI-113-10
10" x .032", Aluminum Oxide, Ultra Thin, Delicate	PSI-114-10
10" x .075", Silicon Carbide, Soft NF	PSI-115-10

12" x .093", Aluminum Oxide, RC 60+	PSI-110-12
12" x .105", Silicon Carbide, Hard NF	PSI-111-12
12" x .093", Aluminim Oxide, RC 45+	PSI-112-12
12" x .105", Silicon Carbide, Medium NF	PSI-113-12
12" x .045", Aluminum Oxide, Ultra Thin, Delicate	PSI-114-12
12" x .105", Silicon Carbide, Soft NF	PSI-115-12

14" x .093", Aluminum Oxide, RC 60+	PSI-110-14
14" x .105", Silicon Carbide, Hard NF	PSI-111-14
14" x .093", Aluminim Oxide, RC 45+	PSI-112-14
14" x .105", Silicon Carbide, Medium NF	PSI-113-14
14" x .105", Silicon Carbide, Soft NF	PSI-115-14

Coolant/Rust inhibior, Ferrous, 1 Quart	PSI-166-1
Coolant/Rust Inhibitor, Ferrous, 1 Gallon	PSI-166-4
Coolant/Rust Inhibitor, Non-Ferrous, 1 Quart	PSI-167-1
Coolant/Rust Inhibitor, Non-Ferrous, 1 Gallon	PSI-167-4

PSI Precision Blades

1/2" (12.7mm) Arbor

Description	Part No.
3" x .012", Diamond, High Concentration,	PSI-140-3
3" x .012", Diamond, Low Concentration,	PSI-141-3
3" x .012", Cubic Boron Nitride, Fast Cutting,	PSI-144-3
4" x .012", Diamond, High Concentration	PSI-140-4
4" x .012", Diamond, Low Concentration	PSI-141-4
4" x .012", Cubic Boron Nitride, Fast Cutting	PSI-144-4
5" x .015", Diamond, High Concentration	PSI-140-5
5" x .015", Diamond, Low Concentration	PSI-141-5
5" x .015", Cubic Boron Nitride, Fast Cutting	PSI-144-5
6" x .020", Diamond, High Concentration	PSI-140-6
6" x .020", Diamond, Low Concentration	PSI-141-6
6" x .020" Cubic Boron Nitride, Fast Cutting	PSI-144-6
7" x .025", Diamond, High Concentration	PSI-140-7
7" x .025", Diamond, Low Concentration	PSI-141-7
7" x .025", Cubic Boron Nitride, Fast Cutting	PSI-144-7
4" x .012" Cubic Boron Nitride, Fast Cutting	PSI-144-4
5" x .015" Cubic Boron Nitride, Fast Cutting	PSI-144-5
6" x .020" Cubic Boron Nitride, Fast Cutting	PSI-144-6
7" x .025" Cubic Boron Nitride, Fast Cutting	PSI-144-7
Coolant/Rust Inhibitor, Quart	PSI-166-1
Cutting Oil, Quart	PSI-150-1
Cutting Oil, Gallon	PSI-150-4
Dressing Stick, Aluminum Oxide, White	PSI-151-WHT
Dressing Stick, SIC, Black	PSI-151-BLK

PSI Compression Mounting Materials

Description	Part No.
Phenolic Powder, 5 lb. Container	RED PSI-200-5
Phenolic Powder, 20lb. Container	RED PSI-200-20
Phenolic Powder, 5 lb. Container	GREEN PSI-201-5
Phenolic Powder, 20 lb. Container	GREEN PSI-201-20
Phenolic Powder, 5 lb. Container	BLACK PSI-202-5
Phenolic Powder, 20 lb. Container	BLACK PSI-202-20
Finamet, Fine Glass-Filled Epoxy, 5 lbs.	BLACK PSI-210-5
Diallyl Phthalate, 5 lb. Container	BLUE PSI-203-5
Epoxy Powder, 5 lb. Container	BLACK PSI-211-5
Conductive Powder, 1 lb. Container	BLACK PSI-212-1
Thermoplastic, 5 lb. Container	CLEAR PSI-213-5



COLD MOUNTING & MOUNTING SUPPLIES

Description	Part No.	
• KOLDMOUNT: A clear acrylic, consisting of resin powder and liquid hardener. • EPOXY FAST SET: A two liquid system, giving a clear-white epoxide mount. • EPOHOLD: Epoxy resin powder and liquid hardener • ACRYLIC FAST SET: Our fastest mounting system, a resin powder and liquid hardener, • yielding a bone-white mount in 15 min.		
KOLDMOUNT KIT	1 lb. kit	PSI-206-1
(includes resin powder & hardener	5 lb. kit	PSI-206-5
KOLDMOUNT Resin Powder	1 lb.	PSI-206-1P
KOLDMOUNG Resin Powder	5 lb.	PSI-206-5P
KOLDMOUNT Liquid Hardener	12 oz. (.35L)	PSI-206-1L
KOLDMOUNT Liquid Hardener	60 oz. (1.77L)	PSI-206-5L
EPOXY Fast Set Hardener	1 qt. (.95L)	PSI-233-4H
EPOXY Fast Set Resin	1 gal. (3.8L)	PSI-233-4R
EPOHOLD Epoxy Resin	1 qt. (.95L)	PSI-2332-32R
EPOHOLD Epoxy Hardener	8 oz.	PSI-2332-8H
EPOHOLD Epoxy Resin	1 gal. (3.8L)	PSI-2332-128R
EPOHOLD Epoxy Hardener	1 qt. (.95L)	PSI-2332-32H
ACRYLIC FAST SET, LIQUID	64 oz. (1.89L)	PSI-234-5L
ACRYLIC FAST SET, POWDER	5 lb. (2.3kg)	PSI-234-5P

PSI MOUNTING ACCESSORIES

POLYPROPYLENE MOUNTING CUPS 1.25" (32mm)	PSI-214-1.25	
SILICON RUBBER MOLDS	1" (25mm)	PSI-216-1
	1.25" (32mm)	PSI-216-1.25
	1.50" (38mm)	PSI-216-1.5
	2" (51mm)	PSI-216-2
RING MOLDS, PHENOLIC	1.25" (32mm)	PSI-217-1.25
	1.5" (38mm)	PSI-217-1.5
RING MOLD, GLASS	1.25" (32mm)	PSI-218-1.25
RING MOLDS, METAL	1.25" (32mm)	PSI-219-1.25
	1.5" (38mm)	PSI-219-1.5

SIC GRINDING PAPERS, PLAIN BACKED

Description	Part No.
8" Plain Backed SIC Paper, 60 Grit (100 p/box)	PSI 400-60Au
8" Plain Backed SIC Paper, 120 Grit (100 p/box)	PSI-400-120Au
8" Plain Backed SIC Paper, 180 Grit (100 p/box)	PSI-400-180Au
8" Plain Backed SIC Paper, 240 Grit (100 p/box)	PSI-400-240Au
8" Plain Backed SIC Paper, 320 Grit (100 p/box)	PSI-400-320Au
8" Plain Backed SIC Paper, 400 Grit (100 p/box)	PSI-400-400Au
8" Plain Backed SIC Paper, 600 Grit (100 p/box)	PSI-400-600Au
8" Plain Backed SIC Paper, 800 Grit (100 p/box)	PSI-400-800Au
8" Plain Backed SIC Paper, 1200 Grit (100 p/box)	PSI-400-1200Au
10" Plain Backed SIC Paper, 60 Grit (100 p/box)	PSI-407-60Au
10" Plain Backed SIC Paper, 120 Grit (100 p/box)	PSI-407-120Au
10" Plain Backed SIC Paper, 180 Grit (100 p/box)	PSI-407-180Au
10" Plain Backed SIC Paper, 240 Grit (100 p/box)	PSI-407-240Au
10" Plain Backed SIC Paper, 320 Grit (100 p/box)	PSI-407-320Au
10" Plain Backed SIC Paper, 400 Grit (100 p/box)	PSI-407-400Au
10" Plain Backed SIC Paper, 600 Grit (100 p/box)	PSI-407-600Au
10" Plain Backed SIC Paper, 800 Grit (100 p/box)	PSI-407-800Au
10" Plain Backed SIC Paper, 1200 Grit (100 p/box)	PSI-407-1200Au

Silicon carbide (SIC) papers are an economical and effective way to remove material during the sample grinding stage of preparation, after coarse grinding and prior to polishing. Silicon carbide is a shiny, black, sharp very hard mineral used for work on a wide range of both ferrous and non-ferrous metals. SIC papers are traditionally one of the most popular abrasive sources in the metallographic lab. Discs are available in various diameters, and with either plain back or with adhesive (PSA).

SIC GRINDING PAPERS, PLAIN BACKED

Description	Part No.
12" Plain Backed SIC Paper, 60 Grit (100 p/box)	PSI-402-60Au
12" Plain Backed SIC Paper, 120 Grit (100 p/box)	PSI-402-120Au
12" Plain Backed SIC Paper, 180 Grit (100 p/box)	PSI-402-180Au
12" Plain Backed SIC Paper, 240 Grit (100 p/box)	PSI-402-240Au
12" Plain Backed SIC Paper, 320 Grit (100 p/box)	PSI-402-320Au
12" Plain Backed SIC Paper, 400 Grit (100 p/box)	PSI-402-400Au
12" Plain Backed SIC Paper, 600 Grit (100 p/box)	PSI-402-600Au
12" Plain Backed SIC Paper, 800 Grit (100 p/box)	PSI-402-800Au
12" Plain Backed SIC Paper, 1200 Grit (100 p/box)	PSI-402-1200Au

SIC GRINDING PAPERS, PSA BACKED

8" PSA Backed SIC Paper, 60 Grit (100 p/box)	PSI-410-60Au
8" PSA Backed SIC Paper, 120 Grit (100 p/box)	PSI-410-120Au
8" PSA Backed SIC Paper, 180 Grit (100 p/box)	PSI-410-180Au
8" PSA Backed SIC Paper, 240 Grit (100 p/box)	PSI-410-240Au
8" PSA Backed SIC Paper, 320 Grit (100 p/box)	PSI-410-320Au
8" PSA Backed SIC Paper, 400 Grit (100 p/box)	PSI-410-400Au
8" PSA Backed SIC Paper, 600 Grit (100 p/box)	PSI-410-600Au
8" PSA Backed SIC Paper, 800 Grit (100 p/box)	PSI-410-800Au
8" PSA Backed SIC Paper, 1200 Grit (100 p/box)	PSI-410-1200Au



E-FRD
Two Platens
Two Motors
Dual Controls

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SIC GRINDING PAPERS, PSA BACKED

Description	Part No.
10" PSA Backed SIC Paper, 60 Grit (100 p/box)	PSI-408-60Au
10" PSA Backed SIC Paper, 120 Grit (100 p/box)	PSI-408-120Au
10" PSA Backed SIC Paper, 180 Grit (100 p/box)	PSI-408-180Au
10" PSA Backed SIC Paper, 240 Grit (100 p/box)	PSI-408-240Au
10" PSA Backed SIC Paper, 320 Grit (100 p/box)	PSI-408-320Au
10" PSA Backed SIC Paper, 400 Grit (100 p/box)	PSI-408-400Au
10" PSA Backed SIC Paper, 600 Grit (100 p/box)	PSI-408-600Au
10" PSA Backed SIC Paper, 800 Grit (100 p/box)	PSI-408-800Au
10" PSA Backed SIC Paper, 1200 Grit (100 p/box)	PSI-408-1200Au
12" PSA Backed SIC Paper, 60 Grit (100 p/box)	PSI-412-60Au
12" PSA Backed SIC Paper, 120 Grit (100 p/box)	PSI-412-120Au
12" PSA Backed SIC Paper, 180 Grit (100 p/box)	PSI-412-180Au
12" PSA Backed SIC Paper, 240 Grit (100 p/box)	PSI-412-240Au
12" PSA Backed SIC Paper, 320 Grit (100 p/box)	PSI-412-320Au
12" PSA Backed SIC Paper, 400 Grit (100 p/box)	PSI-412-400Au
12" PSA Backed SIC Paper, 600 Grit (100 p/box)	PSI-412-600Au
12" PSA Backed SIC Paper, 800 Grit (100 p/box)	PSI-412-800Au
12" PSA Backed SIC Paper, 1200 Grit (100 p/box)	PSI-412-1200Au



M-P 100WR
Double Belt Grinder

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ABRASIVE BELTS AND ROLLS

Description	Part No.
Aluminum Oxide Belts, 4" x 36", 10 p/box, 60 grit	PSI-310-60AU
Aluminum Oxide Belts, 4" x 36", 10 p/box, 80 grit	PSI-310-80AU
Aluminum Oxide Belts, 4" x 36", 10 p/box, 120 grit	PSI-310-120AU
Aluminum Oxide Belts, 4" x 36", 10 p/box, 180 grit	PSI-310-180AU
Aluminum Oxide Belts, 4" x 36", 10 p/box, 240 grit	PSI-310-240AU
Aluminum Oxide Belts, 4" x 36", 10 p/box, 320 grit	PSI-310-320AU
Aluminum Oxide Belts, 4" x 36", 10 p/box, 400 grit	PSI-310-400AU
Zirconia Alumina Belts, 4" x 36", 10 p/box, 60 grit	PSI-320-60AU
Zirconia Alumina Belts, 4" x 36", 10 p/box, 80 grit	PSI-320-80AU
Zirconai Alumina Belts, 4" x 36", 10 p/box, 120 grit	PSI-320-120AU
Aluminum Oxide Belts, 6" x 48", 10 p/box, 60 grit	PSi-332-60AU
Aluminum Oxide Belts, 6" x 48", 10 p/box, 80 grit	PSI-332-80AU
Aluminum Oxide Belts, 6" x 48", 10 p/box, 120 grit	PSi-332-120AU
Zirconia Alumina Belts, 6" x 48", 5 p//box, 60 grit	PSI-333-60AU
Zirconia Alumina Belts, 6" x 48", 5 p/box, 80 grit	PSI-333-80AU
Zirconia Alumina Belts, 6" x 48", 5 p/ox, 120 grit	PSI-333-120AU
Silicon Carbide Abrasive Rols, 3 7/16" x 75', 240 grit	PSI-352-240Au
Silicon Carbide Abrasive Rolls, 3 7/16" x 75', 320 grit	PSI-352-320Au
Silicon Carbide Abrasive Rolls, 3 7/16" x 75', 400 grit	PSI-352-400Au
Silicon Carbide Abrasive Rolls, 3 7/16" x 75', 600 grit	PSI-352-600

FILM BACKED ABRASIVE DISCS

Description	Part No.
PSI Film Backed Abrasives (FBA) are a new and easy to use method for achieving flat, deformation free samples. FBA Abrasives, which are silicon carbide deposited on a clear film backing, allow the operator to easily lay the abrasive surface on the platen with perfect flatness, leaving no residue to clean off the platen, yet achieveing the holding power of PSA backed discs.	
8" Film Backed Abrasive Discs, SIC,120 Grit (100 p/box)	PSI 40120S-8
8" Film Backed Abrasive Discs, SIC, 240 Grit (100 p/box)	PSI-40240S-8
8" Film Backed Abrasive Discs, SIC, 320 Grit (100 p/box)	PSI-40320S-8
8" Film Backed Abrasive Discs, SIC, 400 Grit (100 p/box)	PSI-40400S-8
8" Film Backed Abrasive Discs, SIC, 600 Grit (100 p/box)	PSI-40600S-8
8" Film Backed Abrasive Discs, SIC , 800 Grit (100 p/box)	PSI-40800S-8
8" Film Backed Abrasive Discs, SIC, 1200 Grit (100 p/box)	PSI-401200S-8
10" Film Backed Abrasive Discs, SIC, 120 Grit (100 p/box)	PSI-40120S-10
10" Film Backed Abrasive Discs, SIC, 240 Grit (100 p/box)	PSI-40240S-10
10" Film Backed Abrasive Discs, SIC, 320 Grit (100 p/box)	PSI-40320S-10
10" Film Backed Abrasive Discs, SIC, 400 Grit (100 p/box)	PSI-40400S-10
10" Film Backed Abrasive Discs, SIC, 600 Grit (100 p/box)	PSI-40600S-10
10" Film Backed Abrasive Discs, SIC , 800 Grit (100 p/box)	PSI-40800S-10
10" Film Backed Abrasive Discs, SIC, 1200 Grit (100 p/box)	PSI-401200S-10
12" Film Backed Abrasive Discs, SIC, 120 Grit (100 p/box)	PSI-40120S-12
12" Film Backed Abrasive Discs, SIC, 240 Grit (100 p/box)	PSI-40240S-12
12" Film Backed Abrasive Discs, SIC, 320 Grit (100 p/box)	PSI-40320S-12
12" Film Backed Abrasive Discs, SIC, 400 Grit (100 p/box)	PSI-40400S-12
12" Film Backed Abrasive Discs, SIC, 600 Grit (100 p/box)	PSI-40600S-12
12" Film Backed Abrasive Discs, SIC, 800 Grit (100 p/box)	PSI-40800S-12
12" Film Backed Abrasive Discs, SIC, 1200 Grit (100 p/box)	PSI-401200S-12



PSI DIAMOND TILE DISCS

PSI Diamond Tile Discs are a micron graded, resin bond product with Trizac technology laminated to a polycarbonate backing. This technology consists of precisely shaped, three-dimensional structures distributed uniformly over the substrate. PSI Trizac Discs offer a new dimension to the speed, consistency and control for flat grinding and material removal in the early stages of the sample preparation process. Diamond Tile Discs are particularly effective on hard and mixed hardness materials, including tungsten carbide, ceramics, hardened metals, aluminum and glass.



Description	ANSI-FEPA Grit	Part No.
300 Micron Trizac Tile Disc. 8"	80-P80	PSI-410-A300-DT
300 Micron Trizac Tile Disc, 10"	80-P80	PSI-408-A300-DT
300 Micron Trizac Tile Disc, 12"	80-P80	PSI-412-A300-DT
160 Micron Trizad Tile Disc, 8"	120-P120	PSI-410-A160-DT
160 Micron Trizac Tile Disc, 10"	120-P120	PSI-408-A160-DT
160 Micron Trizac Tile Disc, 12"	120-P120	PSI-412-A160-DT
80 Micron Trizac Tile Disc, 8"	220-P240	PSI-410-A80-DT
80 Micron Trizac Tile Disc, 10"	220-P240	PSI-408-A80-DT
80 Micron Trizac Tile Disc, 12"	220-P240	PSI-412-A80-DT
45 Micron Trizac Tile Disc, 8"	320-P360	PSI-410-A45-DT
45 Micron Trizac Tile Disc, 10"	320-P360	PSI-408-A45-DT
45 Micron Trizac Tile Disc, 12"	320-P360	PSI-412-A45-DT
30 Micron TrizacTile Discs, 8"	400-P600	PSI-410-A30-DT
30 Micron Trizac Tile Discs, 10"	400-P600	PSI-408-A30-DT
30 Micron Trizac Tile Discs, 12"	400-P600	PSI-412-A30-DT
20 Micron Trizac Tile Discs, 8"	500-P1000	PSI-410-A20-DT
20 Micron Trizac Tile Discs 10"	500-P1000	PSI-408-A20-DT
20 Micron Trizac Tile Discs 12"	500-P1000	PSI-412-A20-DT
6 Micron Trizac Tile Discs, 8"	1500-P2500	PSI-410-A6-DT
6 Micron Trizac Tile Discs, 10"	1500-P2500	PSI-408-A6-DT
6 Micron Trizac Tile Discs, 12"	1500-P2500	PSI-412-A6-DT

PSI DIAMOND LAPPING FILM, 8"

Description	Size	Backing	Part No.
Micron Graded on Polyester Film			
60 Micron	8"	Plain Back	PSi-1460D-8P
45 Micron	8"	Plain Back	PSI-1445D-8P
30 Micron	8"	Plain Back	PSI-1430D-8A
15 Micron	8"	Plain Back	PSI-1415D-8A
9 Micron	8"	Plain Back	PSI-1409D-8A
6 Micron	8"	Plain Back	PSI-1406D-8A
3 Micron	8"	Plain Back	PSI-1403D-8A
1 Micron	8"	Plain Back	PSI-1401D-8A
.5 Micron	8"	Plain Back	PSI-14.5D-8A
.1Micron	8"	Plain Back	PSI-14.1D-8A
60 Micron	8"	PSA Back	PSI-1360D-8P
45 Micron	8"	PSA Back	PSI-1345D-8P
30 Micron	8"	PSA Back	PSI-1330D-8A
15 Micron	8"	PSA Back	PSI-1315D-8A
9 Micron	8"	PSA Back	PSI-1309D-8A
6 Micron	8"	PSA Back	PSI-1306D-8A
3 Micron	8"	PSA Back	PSI-1303D-8A
1 Micron	8"	PSA Back	PSI-1301D-8A
.5 Micron	8"	PSA Back	PSI-13.5D-8A
.1 Micron	8"	PSA Back	PSI-13.1D-8A

PSI DIAMOND LAPPING FILM, 12"

Description Size Backing Part No.

Micron Graded on Polyester Film

60 Micron	12"	Plain Back	PSi-1460D-12P
45 Micron	12"	Plain Back	PSI-1445D-12P
30 Micron	12"	Plain Back	PSI-1430D-12A
15 Micron	12"	Plain Back	PSI-1415D-12A
9 Micron	12"	Plain Back	PSI-1409D-12A
6 Micron	12"	Plain Back	PSI-1406D-12A
3 Micron	12"	Plain Back	PSI-1403D-12A
1 Micron	12"	Plain Back	PSI-1401D-12A
.5 Micron	12"	Plain Back	PSI-14.5D-12A
.1Micron	12"	Plain Back	PSI-14.1D-12A

60 Micron	12"	PSA Back	PSI-1360D-12P
45 Micron	12"	PSA Back	PSI-1345D-12P
30 Micron	12"	PSA Back	PSI-1330D-12A
15 Micron	12"	PSA Back	PSI-1315D-12A
9 Micron	12"	PSA Back	PSI-1309D-12A
6 Micron	12"	PSA Back	PSI-1306D-12A
3 Micron	12"	PSA Back	PSI-1303D-12A
1 Micron	12"	PSA Back	PSI-1301D-12A
.5 Micron	12"	PSA Back	PSI-13.5D-12A
.1 Micron	12"	PSA Back	PSI-13.1D-12A

PSI DIAMOND SUSPENSIONS

Description Size Color Part No.

DYNADOS, Monocrystalline Diamond Suspension + Lube

15 Micron	16 Oz.	BROWN	PSI-515MC-16_S+L
9 Micron	16 Oz.	RED	PSI-509MC-16_S+L
6 Micron	16 Oz.	YELLOW	PSI-506MC-16_S+L
3 Micron	16 Oz.	GREEN	PSI-503MC-16_S+L
1 Micron	8 Oz.	BLUE	PSI-501MC-16_S+L

POLYCRYSTALLINE Diamond Suspensions, Non-Clogging

30 Micron	16 Oz.	BLACK	PSI-530PC-16
15 Micron	16 Oz.	BLACK	PSI-515PC-16
9 Micron	16 Oz.	BLACK	PSI-509PC-16
6 Micron	16 Oz.	BLACK	PSI-506PC-16
3 Micron	16 Oz.	BLACK	PSI-503PC-16
1 Micron	16 Oz.	BLACK	PSI-501PC-16
0.5 Micron	16 Oz.	BLACK	PSI-5.5PC-16
0.25 Micron	16 Oz.	BLACK	PSI-500PC-16
0.1 Micron	16 Oz.	BLACK	PSI-5.1PC-16

All polycrystalline diamond suspensions are also available in gallon size.

PSI DIAMOND SUSPENSIONS

Description Size Color Part No.

MONOCRYSTALLINE Diamond Suspensions, Non-Clogging

45 Micron	16 Oz.	PURPLE	PSI-545MC-16
30 Micron	16 Oz.	MAHOGANY	PSI-530MC-16
15 Micron	16 Oz.	BROWN	PSI-515MC-16
9 Micron	16 Oz.	RED	PSI-509MC-16
9 Micron	Gallon	RED	PSI-509MC-128
6 Micron	16 Oz.	YELLOW	PSI-506MC-16
6 Micron	Gallon	YELLOW	PSI-506MC-128
3 Micron	16 Oz.	GREEN	PSI-503MC-16
3 Micron	Gallon	GREEN	PSI-503MC-128
1 Micron	16 Oz.	BLUE	PSI-501MC-16
1 Micron	Gallon	BLUE	PSI-501MC-128
0.5 Micron	16 Oz.	TURQUOISE	PSI-5.5MC-16
0.25 Micron	16 Oz.	GRAY	PSI-500MC-16
0.1 Micron	16 Oz.	CHARCOAL	PSI-5.1MC-16

PSI Diamond Extenders

Lubricant	1 Quart	PINK	PSI-541-1
Lubricant	1 Gallon	PINK	PSI-541-4
Universally Soluble	1 Quart	ORANGE	PSI-542-1
Universaly Soluble	1 Gallon	ORANGE	PSI-542-4
Oil Soluble	1 Quart	OPAQUE	PSI-543-1
Oil Soluble	1 Gallon	OPAQUE	PSI-543-4
Alcohol Base	1 Quart	BLUE	PSI-544-1
Alcohol Base	1 Gallon	BLUE	PSI-544-4

POLISHING CLOTHS

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 stpes

PRECISION SURFACES INTERNATIONAL
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	Intermediate 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	RUBBED 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

PSI POLISHING CLOTHS, PSA BACKED

Description	Size	Pcs. Per Box	Part No.
• CO-VEL: Soft synthetic velvet with low nap.	8"	10	PSI-603-8AU
	10"	10	PSI-603-10AU
	12"	10	PSI-603-12AU
• NYLON: Oil resistant, medium hard woven, no nap	8"	10	PSI-606-8
	10"	10	PSI-606-10
	12"	10	PSI-606-12
• SITEX: Durable, medium hard synthetic silk cloth	8"	5	PSI-611-8AU
	10"	5	PSI-611-10AU
	12"	5	PSI-611-12AU
• CHEMOCLOTH: Soft, porous chemically resistant synthetic cloth	8"	10	PSI-619-8AU
	10"	10	PSI-619-10AU
	12"	10	PSI-619-12AU
All Sizes Available in Metal Back (5 per box)			
• FINAL FINISH: Soft, versatile, long napped synthetic rayon cloth	8"	10	PSI-621-8AU
	10"	10	PSI-621-10AU
	12"	10	PSI-621-12AU
• DACTYL: Hard woven, no nap with high material removal	8"	10	PSI-625-8AU
	10"	10	PSI-625-10AU
	12"	10	PSI-625-12AU
• IMPERIAL: Soft blue, low nap	8"	10	PSI-631-8AU
	10"	10	PSI-631-10AU
	12"	10	PSI-631-12AU

PSI POLISHING COTHS (CONTD.)

Description	Size	Pcs. Per Box	Part No.
POLISILK: Hard woven, non-aggressive silk cloth			
	8"	10	PSI-635-8AU
	10"	10	PSI-635-10AU
	12"	10	PSI-635-12AU
SKY BLUE: Satin woven acetate, Ferrous and no-ferrus metals			
	8"	10	PSI-643-8AU
	10"	10	PSI-643-10AU
	12"	10	PSI-643-12AU
Available in Metal Back (5 per box)			
COCO BROWN: Soft, synthetic rayon, Medium nap			
	8"	10	PSI-645-8AI
	10"	10	PSI-645-10AU
	12"	10	PSI-645-12AU
Available in Metal Back (5 per box)			
RIBBED WOOL: Natural woven wool			
	8"	10	PSI-647-8AI
	10"	10	PSI-647-10AU
	12"	10	PSI-647-12AU
Available in Metal Back (5 per box)			
PELLON: Non-woven pressed cloth, great for hard materials			
	8"	10	PSI-661-8AU
	10"	10	PSI-661-10AU
	12"	10	PSI-661-12AU
SATIN-TEX: Soft, durable syntheric woven cloth, no nap			
	8"	10	PSI-681-8AI
	10"	10	PSI-681-10AU
	12"	10	PSI-681-12AU

PSI POLISHING POWDERS & SUSPENSIONS

Description	Container Size	Part No.
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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 Scientist’s most exacting specifications. When working with these extra fine particulate materials, extra care must be taken to avoid contamination. PSI high purity Alumina Powders are all of the deagglomerated form, insuring maximum specimen exposure to particle cutting edges and prevention of particle clumping.

HI-PURITY DEAGGLOMERATED ALUMINA POWDER		
• 5 MICRON	1 lb.	5650-1
	5 lb.	5650-5
• 1 MICRON	1 lb.	5601-1
	5 lb.	5601-5
• 0.3 MICRON	1 lb.	5603-1
	5 lb.	5603-5
• 0.05 MICRON	1 lb.	5605-1
	5 lb.	5605-5
Hi-PURITY DEAGGLOMERATED ALUMINA SUSPENSION		
• 5 MICRON	6 Oz.	5650S-6
	1 Gallon	5650S-128
• 1 MICRON	6 Oz.	5601S-6
	1 Gallon	5601S-128
• 0.3 MICRON	6 Oz.	5603S-6
	1 Gallon	5603S-128
• 0.05 MICRON	6 Oz.	5605S-6
	1 Gallon	5605S-128
• COLLOIDAL SILICA	16 Oz.	5904S-16
	64 Oz.	5904S-64
	1 Gallon	5904S-128
• ULTRA HI-PURITY	6 Oz.	5605S-6AU
	16 Oz.	5605S-16AU
• AXOSIL BLEND, 0.05 Micron Alumina and Colloidal Silica		
	32 Oz.	5950S-32

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CK260A



CK260B

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