



OnPoint Abrasives

Precision Solutions for Metallographic Preparation

25 Product Catalog



www.onpointabrasives.com

2025 V1.1

Welcome to OnPoint Abrasives' 2025 Catalog!

We are thrilled to present our 2025 catalog, featuring an expanded range of metallographic consumables designed to maximize your sample preparation processes. At OnPoint Abrasives, our commitment to innovation and customer satisfaction drives us to continually refine and broaden our offerings, ensuring you have access to the highest-quality supplies.

Exciting New Additions:

- **LabPro 150 Precision Saw:** Introducing our latest innovation, the LabPro 150. This state-of-the-art precision saw delivers unmatched cutting accuracy and reliability, perfect for even the most demanding sample preparation tasks.
- **Water-Based Diamond Suspension:** Our new Diabrasive Eco is a water-based diamond suspension, formulated for exceptional performance, offering an environmentally friendly and efficient solution for metallographic polishing.
- **Expanded SiC Paper Grit Sizes:** We've broadened our selection of silicon carbide paper with additional grit sizes to give you greater flexibility and precision in material removal and surface preparation.
- **Polishing Cloth Options:** Our wide range of polishing cloth choices has broadened for 2025. We now have 14 unique options to choose from. We have you covered.
- **Alumina Powders:** High-purity alumina powders are now part of our lineup, providing another reliable option for fine polishing. 0.3 micron was added recently. 0.05 micron to be added soon!
- **And More:** Our 2025 catalog also features a host of other new and updated consumables to enhance your workflow and deliver outstanding results.

We are proud to support metallographers, researchers, and industry professionals worldwide. Whether you're a seasoned expert or just beginning your journey in material analysis, our products are designed to help you achieve precision, efficiency, and excellence. Thank you for choosing OnPoint Abrasives as your trusted partner in metallographic consumables. We look forward to helping you reach new levels of success in the year ahead. **Let's make 2025 a year of precision and progress together!**

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SECTIONING
MOUNTING
GRINDING
POLISHING

Abrasive Blades

Recommended Use	Blade	Bond	Abrasive
Super alloys, General Steel, Non-Ferrous HRC30-55	<i>MedianSec</i>	Resin	Al ₂ O ₃
Ferrous, Non-Ferrous Materials HRC15-55	<i>MultiSec</i>	Rubber	Al ₂ O ₃
Ferrous Materials >HRC50	<i>ToughSec</i>	Resin	Al ₂ O ₃
Ferrous Materials >HRC60	<i>MaxSec</i>	Resin	Al ₂ O ₃
Titanium, Copper, Aluminum HRC15-55	<i>TitanSec</i>	Rubber	SiC

10in x 1.25in Arbor (250mm x 32mm Arbor) - Qty 10/pkg

Product	Dimensions	Item Number	Price
MedianSec	10in x 0.047in x 1.25in (250mm x 1.2mm x 32mm)	MDS-1010	150
MultiSec	10in x 0.040in x 1.25in (250mm x 1mm x 32mm)	MTS-1010	210
ToughSec	10in x 0.085in x 1.25in (250mm x 2.2mm x 32mm)	TGS-1010	240
MaxSec	10in x 0.047in x 1.25in (250mm x 1.2mm x 32mm)	MXS-1010	150
TitanSec	10in x 0.040in x 1.25in (250mm x 1mm x 32mm)	TNS-1010	210

12in x 1.25in Arbor (300mm x 32mm Arbor) - Qty 10/pkg

Product	Dimensions	Item Number	Price
MedianSec	12in x 0.047in x 1.25in (300mm x 1.2mm x 32mm)	MDS-1012	200
MultiSec	12in x 0.050in x 1.25in (300mm x 1.3mm x 32mm)	MTS-1012	260
ToughSec	12in x 0.085in x 1.25in (300mm x 2.2mm x 32mm)	TGS-1012	310
MaxSec	12in x 0.047in x 1.25in (300mm x 1.2mm x 32mm)	MXS-1012	200
TitanSec	12in x 0.050in x 1.25in (300mm x 1.3mm x 32mm)	TNS-1012	260



LabPro 150

Precision Saw

Features

- 100 – 1500 rpm
- Micrometer for precise cutting
- Gravity feed load (1000g)
- Simple controls
- Versatile clamps/vises

Precision Saw



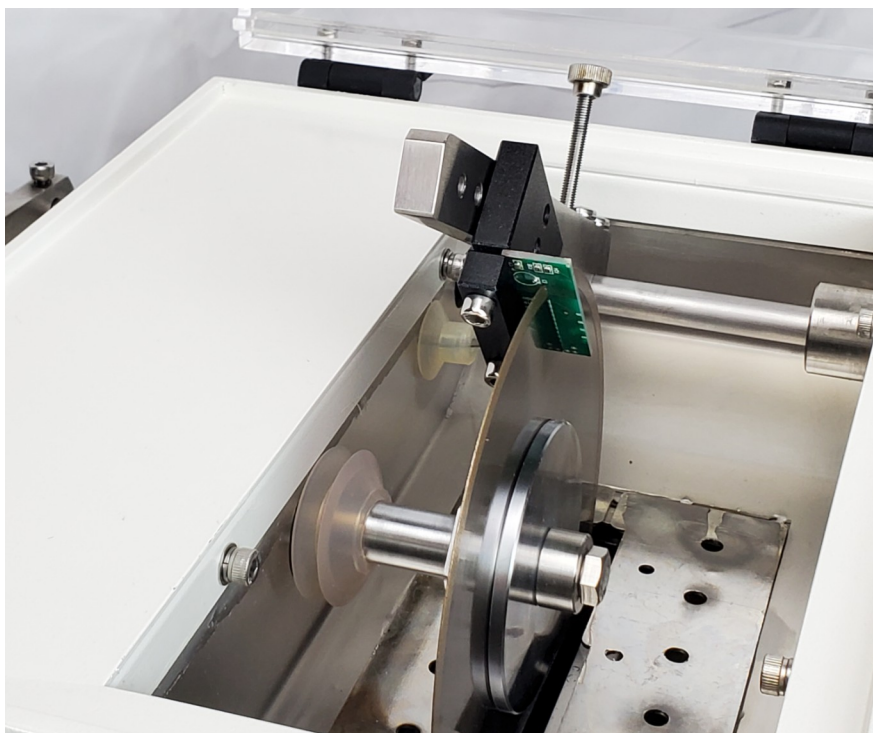
The LabPro 150 Precision Saw by OnPoint Abrasives is a state-of-the-art cutting solution designed specifically for the rigorous demands of metallography and materials analysis in laboratory environments. This precision saw combines cutting-edge technology with robust construction to deliver exceptional performance, accuracy, and reliability.



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LABPRO 150 PRECISION SAW
SPECIFICATIONS

Description	LabPro 150
Blade Feed	Gravity (0 - 1000 grams)
Blade Size	4in, 5in, and 6in (100mm, 125mm, 150mm)
Blade Speed	100 – 1500 rpm
Micrometer Travel (Y-Axis)	0 – 1in (0 – 25mm)
DC Motor	125W
Power	110 VAC 60Hz
Position Accuracy	0.1mm
Machine Weight	50 lbs (23kg)
Dimension w/ Hood Closed	16in D x 20in W x 13 in H (406mm D x 508mm W x 330mm H)



LabPro 150

Precision Saw

**Diamond or Abrasive Blades**

- Accepts 4in, 5in and 6in blades
- ½-in arbor (industry standard)

Micrometer

- Accuracy +/- 0.1mm
- Repeatable results

Gravity Feed Load

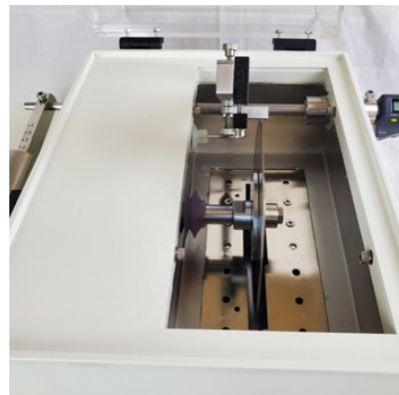
- Counterbalance included
- Slide weight to increase load

Simple Controls

- On/Off buttons
- Speed 100 to 1500 rpm
- Digital readout

Versatile Clamps/Chucks**Removable Coolant Reservoir**

- Easy removal
- Easy cleaning



Precision Blades

Recommended Use	Blade	Type/Bond	Abrasive
General Purpose Blade: Non-Ferrous Materials, Brittle Materials, Ceramics, PC Boards,	<i>DiaSec</i>	Metal	Diamond
General Purpose (High Concentration) Blade: Ferrous Materials, Bone, Titanium, Thermal Spray Coatings	<i>DiaSec HC</i>	Metal	Diamond
Aggressive General Purpose Blade: Non-Ferrous Materials, Polymers, Rubber, Soft Gummy Materials, Epoxies/Acrylics	<i>ElectroSec</i>	Metal/ Electroplated	Diamond
Precision Thin Abrasive Blade: Ferrous Materials, Non-Ferrous Materials	<i>PreciSec</i>	Abrasive/Resin	Al ₂ O ₃

4in x 0.5in Arbor (100mm x 12.7mm Arbor) - Qty 1/pkg

Product	Dimensions	Item Number	Price
<i>DiaSec</i>	4in x 0.016in x 0.5in (100mm x 0.4mm x 12.7mm)	DS-1004	120
<i>DiaSec HC</i>	4in x 0.016in x 0.5in (100mm x 0.4mm x 12.7mm)	DSHC-1004	160
<i>ElectroSec</i>	4in x 0.035 x 0.5in (100mm x 0.9mm x 12.7mm)	ES-1004	110

5in x 0.5in Arbor (125mm x 12.7mm Arbor) - Qty 1/pkg

Product	Dimensions	Item Number	Price
<i>DiaSec</i>	5in x 0.020in x 0.5in (100mm x 0.5mm x 12.7mm)	DS-1005	140
<i>DiaSec HC</i>	5in x 0.020in x 0.5in (100mm x 0.5mm x 12.7mm)	DSHC-1005	180
<i>ElectroSec</i>	5in x 0.050 x 0.5in (100mm x 1.3mm x 12.7mm)	ES-1005	130

6in x 0.5in Arbor (150mm x 12.7mm Arbor) - Qty 1/pkg

Product	Dimensions	Item Number	Price
<i>DiaSec</i>	6in x 0.024in x 0.5in (100mm x 0.6mm x 12.7mm)	DS-1006	160
<i>DiaSec HC</i>	6in x 0.024in x 0.5in (100mm x 0.6mm x 12.7mm)	DSHC-1006	200
<i>ElectroSec</i>	6in x 0.050 x 0.5in (100mm x 1.3mm x 12.7mm)	ES-1006	150

6in x 0.5in Arbor (150mm x 12.7mm Arbor) - Qty 10/pkg

Product	Dimensions	Item Number	Price
<i>PreciSec</i>	6in x 0.020in x 0.5in (100mm x 0.5mm x 12.7mm)	PRS-1006	110



Cutting Fluid

Cutting Fluid

CoolSec Metallurgical Cutting Fluid: Optimal Performance and Sample Protection

CoolSec is engineered to minimize heat and efficiently remove swarf during the cutting process. Its advanced formula reduces the risk of sample damage while improving blade longevity and cutting efficiency. Designed for use in **abrasive cut-off machines** and **precision cutting machines**, CoolSec is the ideal choice for high quality cutting results.

CoolSec 2 takes it a step further by incorporating **CorrosionGuard**, providing maximum protection against oxidation. Specifically recommended for cutting ferrous materials, this fluid delivers exceptional results with maximum sample integrity. Like CoolSec, it is suitable for both **abrasive cut-off machines** and **precision cutting machines**, ensuring reliable performance in diverse applications.

Both CoolSec and CoolSec 2 are concentrated solutions, making them highly cost-effective. Simple mix at a ratio of **1:25 to 2:25 parts** with water to achieve optimal cutting performance.

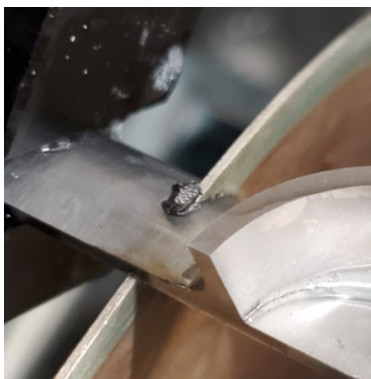
CoolSec Cutting Fluid

Size	Item Number	Price
16oz (473ml)	CS-8016	10
64oz (1.89L)	CS-8064	35
1 Gallon (3.8L)	CS-8128	65
5 Gallons (18.9L)*	CS-8640	225

CoolSec 2 Cutting Fluid

Size	Item Number	Price
16oz (473ml)	CS2-8016	11
64oz (1.89L)	CS2-8064	39
1 Gallon (3.8L)	CS2-8128	70
5 Gallons (18.9L)*	CS2-8640	240

*Ships as (5) 1-gallon bottles for easy dispensing



Ti-6Al-4V Weld



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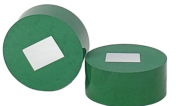
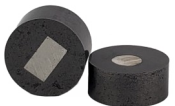
Compression Mounting Resins

PhenoMount is a phenolic thermoset resin that provides good edge retention for general metallurgical applications. Available in Black, Red, or Green color.

EpoMount is a mineral filled epoxy thermoset resin that provides excellent edge retention and hardness. Highly recommended for mounting hard materials.

CarbonMount is a graphite filled, conductive thermoset resin. Engineered for samples intended to be analyzed by SEM (scanning electron microscopy).

Compression Mounting Compound Technical Guide

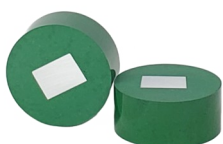
					
Material	Phenolic	Phenolic	Phenolic	Epoxy	Conductive Phenolic
Product	<i>PhenoMount Black</i>	<i>PhenoMount Red</i>	<i>PhenoMount Green</i>	<i>EpoMount</i>	<i>CarbonMount</i>
Color	Black	Red	Green	Black	Gray
Shrinkage	Moderate	Moderate	Moderate	Low	Moderate
Hardness	88 Shore D	88 Shore D	88 Shore D	95 Shore D	80 Shore D
Benefits	Low cost Fast cycle time	Low cost Colored Fast cycle time	Low cost Colored Fast cycle time	High hardness Chemical resistant Low shrinkage	High conductivity Fast cycle time



Compression Mounting Resins

PhenoMount Phenolic Resin (Powder)

Product	Size	Item Number	Price
PhenoMount Black	5 lb (2.27 kg)	PMB-2005	29
PhenoMount Black	25 lb (11.34 kg)	PMB-2025	125
PhenoMount Red	5 lb (2.27 kg)	PMR-2005	33
PhenoMount Red	25 lb (11.34 kg)	PMR-2025	145
PhenoMount Green	5 lb (2.27 kg)	PMG-2005	33
PhenoMount Green	25 lb (11.34 kg)	PMG-2025	145



EpoMount Epoxy Resin (Powder)

Product	Size	Item Number	Price
EpoMount	5 lb (2.27kg)	EM-2005	120
EpoMount	25 lb (11.34 kg)	EM-2025	495

CarbonMount Conductive Resin (Powder)

Product	Size	Item Number	Price
CarbonMount	1 lb	CBM-2001	29
CarbonMount	5 lb	CBM-2005	140
CarbonMount	25 lb	CBM-2025	635

Castable Mounting Resin



EpoFlo Epoxy	
Product	EpoFlo Viscosity 300 when mixed
Resin	EpoFlo Liquid Epoxy Viscosity 500 cps
Hardener	EpoFlo Liquid Hardener Viscosity 150 cps
Mixing by weight	30g resin: 14g hardener
Mixing by volume	2 parts resin: 0.9 part hardener
Cure time	7+ hours at room temperature*
Peak temperature	175°C (347°F)
Shrinkage	Low
Color	Transparent Amber
Hardness	76 Shore D
Benefits	Increased edge retention Harder cured mount Reduced shrinkage

*If a faster cure time is desired for EpoFlo, consider heating the resin to 32°C (90°F) **prior** to mixing with hardener. Cure time is 1-2 hours

Castable Epoxy Resin

EpoFlo is a low-viscosity epoxy system for casting metallographic samples. EpoFlo produces relatively hard mounts and a low shrinkage rate when compared to other casting systems. Mixing ratio is 2-parts resin to 0.9 part hardener. Cure time is 8 hours at room temperature.

EpoFlo Castable Epoxy System

Product	Size	Item Number	Price
EpoFlo Epoxy Resin	8oz (237ml)	EFR-2008	20
EpoFlo Epoxy Resin	16oz (473ml)	EFR-2016	27
EpoFlo Epoxy Resin	32oz (946ml)	EFR-2032	45
EpoFlo Epoxy Hardener	8oz (237ml)	EFH-2008	20
EpoFlo Epoxy Hardener	16oz (473ml)	EFH-2016	27
EpoFlo Epoxy Hardener	32oz (946ml)	EFH-2032	50



Mounting Accessories



Specimen Clips

Product	Qty	Item Number	Price
Metal Spring Specimen Clip	50	MSC-50	22
Metal Spring Specimen Clip	100	MSC-100	40
Metal Spring Specimen Clip	1000	MSC-1000	275
Plastic Spring Specimen Clip	50	PSC-50	15
Plastic Spring Specimen Clip	100	PSC-100	25
Plastic Spring Specimen Clip	1000	PSC-1000	210
Plastic Peg Specimen Clip	50	PPC-50	15
Plastic Peg Specimen Clip	100	PPC-100	25
Plastic Peg Specimen Clip	1000	PPC-1000	250
Plastic Tripod Specimen Clip	50	PTC-50	15
Plastic Tripod Specimen Clip	100	PTC-100	28
Plastic Tripod Specimen Clip	1000	PTC-1000	195

Mounting Accessories

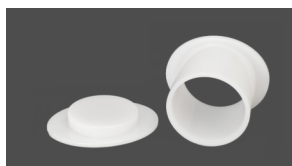
Silicone Rubber Molds

Product	Qty	Item Number	Price
1.25in ID x 0.9in H	1	RM-21251	6
1.25in ID x 0.9in H	5	RM-21255	30
1.5in ID x 0.9in H	1	RM-21501	7
1.5in ID x 0.9in H	5	RM-21505	35



2-Piece Plastic Molds

Product	Qty	Item Number	Price
1.25in ID x 0.9in H	10	TPM-12510	35



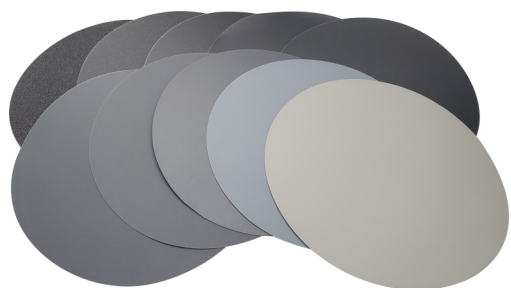
Miscellaneous

Product	Qty	Item Number	Price
Plastic Mixing Cup 9oz	50	PMC-2950	9
Wood Stir Stick	100	WS-2100	9
Mold Release	8oz	MLR-2008	9



Silicon Carbide Grinding Paper

CarbiPro Silicon Carbide grinding papers are the traditional choice for most metallurgical applications. Designed for high removal rates and minimal surface damage.



Discs



Strips



Rolls



Belts

ANSI / FEPA / Micron Conversion Chart

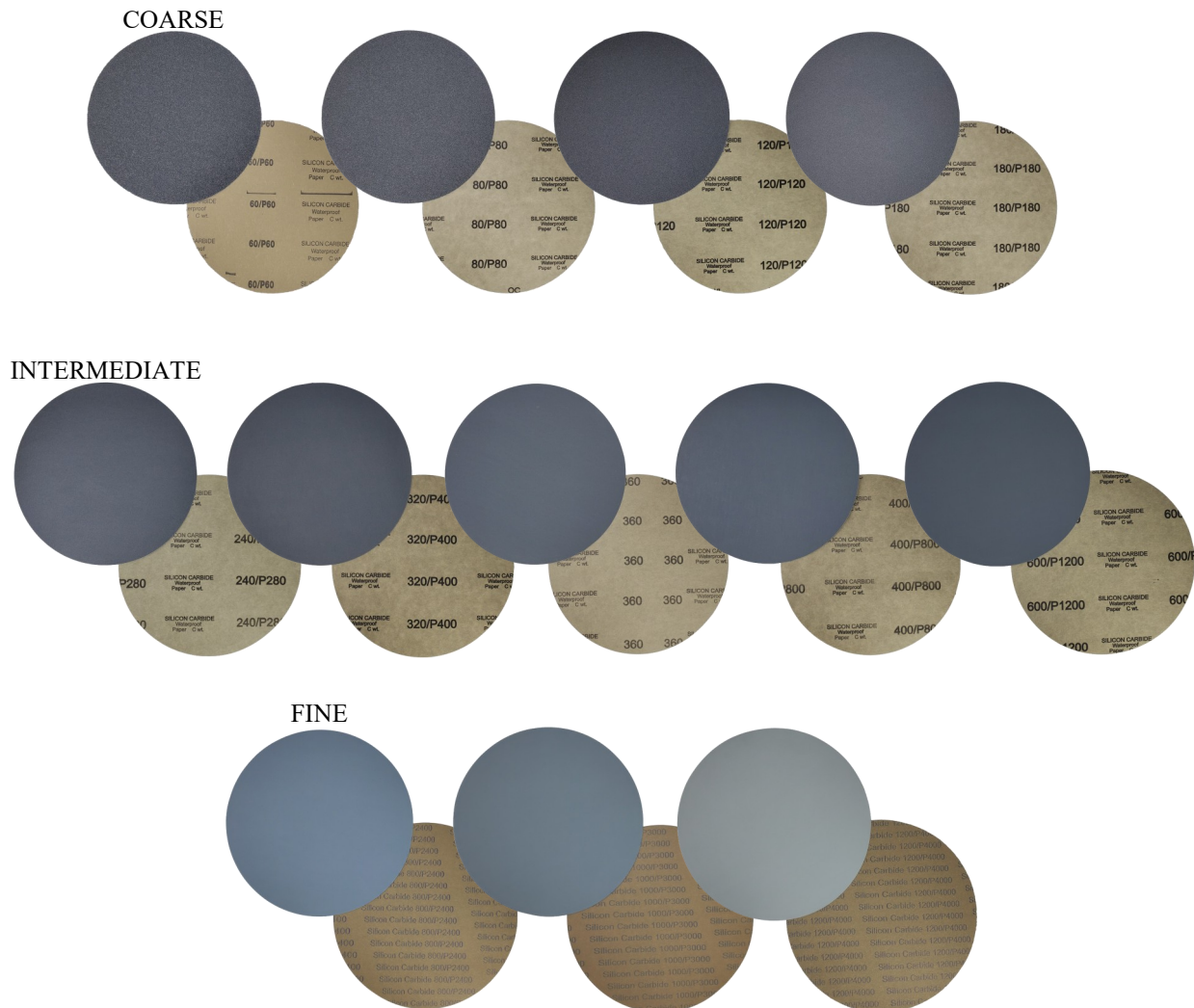
ANSI	60	80	120	180	240	320	360	400	600	800	1000	1200
FEPA	P60	P80	P120	P180	P280	P400	P600	P800	P1200	P2400	P3000	P4000
Micron	250	180	106	63	45	30	23	18	15	8	6	4



Silicon Carbide Grinding Paper

OnPoint's *CarbiPro* silicon carbide grinding papers deliver fast, single-use grinding solutions for all your metallographic needs. Available in 8in, 10in, and 12in (203mm, 254mm, and 305 mm) sizes, both PSA and Plain Back, these papers ensure efficient material removal with minimal surface damage. Designed for ease of use, CarbiPro papers apply seamlessly and resist curling, making them an ideal choice for reliable and consistent sample preparation.

- 8in (203mm)
- 10in (254mm)
- 12in (305mm)
- PSA (adhesive) Back
- Plain Back



Grinding Consumables



Silicon Carbide Grinding Paper Discs

8in (203mm) SiC Abrasive Paper Disc, PSA - Qty 100/pkg

Grit ANSI (FEPA)	Product	Qty	Item Number	Price
60 (P60)	8in, PSA, SiC Disc	100	SCA-8060-100	129
80 (P80)	8in, PSA, SiC Disc	100	SCA-8080-100	119
120 (P120)	8in, PSA, SiC Disc	100	SCA-8120-100	109
180 (P180)	8in, PSA, SiC Disc	100	SCA-8180-100	103
240 (P280)	8in, PSA, SiC Disc	100	SCA-8240-100	99
320 (P400)	8in, PSA, SiC Disc	100	SCA-8320-100	99
360 (P600)	8in, PSA, SiC Disc	100	SCA-8360-100	99
400 (P800)	8in, PSA, SiC Disc	100	SCA-8400-100	99
600 (P1200)	8in, PSA, SiC Disc	100	SCA-8600-100	99
800 (P2400)	8in, PSA, SiC Disc	100	SCA-8800-100	135
1000 (P3000)	8in, PSA, SiC Disc	100	SCA-81000-100	135
1200 (P4000)	8in, PSA, SiC Disc	100	SCA-81200-100	135

8in (203mm) SiC Abrasive Paper Disc, PSA - Qty 25/pkg

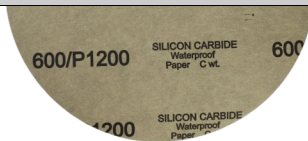
Grit ANSI (FEPA)	Product	Qty	Item Number	Price
60 (P60)	8in, PSA, SiC Disc	25	SCA-8060-25	37
80 (P80)	8in, PSA, SiC Disc	25	SCA-8080-25	31
120 (P120)	8in, PSA, SiC Disc	25	SCA-8120-25	29
180 (P180)	8in, PSA, SiC Disc	25	SCA-8180-25	29
240 (P280)	8in, PSA, SiC Disc	25	SCA-8240-25	29
320 (P400)	8in, PSA, SiC Disc	25	SCA-8320-25	29
360 (P600)	8in, PSA, SiC Disc	25	SCA-8360-25	29
400 (P800)	8in, PSA, SiC Disc	25	SCA-8400-25	29
600 (P1200)	8in, PSA, SiC Disc	25	SCA-8600-25	29
800 (P2400)	8in, PSA, SiC Disc	25	SCA-8800-25	37
1000 (P3000)	8in, PSA, SiC Disc	25	SCA-81000-25	37
1200 (P4000)	8in, PSA, SiC Disc	25	SCA-81200-25	37



Silicon Carbide Grinding Paper Discs

8in (203mm) SiC Abrasive Paper Disc, Plain Back - Qty 100/pkg

Grit ANSI (FEPA)	Product	Qty	Item Number	Price
60 (P60)	8in, Plain Back, SiC Disc	100	SCP-8060-100	89
80 (P80)	8in, Plain Back, SiC Disc	100	SCP-8080-100	79
120 (P120)	8in, Plain Back, SiC Disc	100	SCP-8120-100	75
180 (P180)	8in, Plain Back, SiC Disc	100	SCP-8180-100	69
240 (P280)	8in, Plain Back, SiC Disc	100	SCP-8240-100	64
320 (P400)	8in, Plain Back, SiC Disc	100	SCP-8320-100	64
360 (P600)	8in, Plain Back, SiC Disc	100	SCP-8360-100	64
400 (P800)	8in, Plain Back, SiC Disc	100	SCP-8400-100	64
600 (P1200)	8in, Plain Back, SiC Disc	100	SCP-8600-100	64
800 (P2400)	8in, Plain Back, SiC Disc	100	SCP-8800-100	103
1000 (P3000)	8in, Plain Back, SiC Disc	100	SCP-81000-100	103
1200 (P4000)	8in, Plain Back, SiC Disc	100	SCP-81200-100	103



8in (203mm) SiC Abrasive Paper Disc, Plain Back - Qty 25/pkg

Grit ANSI (FEPA)	Product	Qty	Item Number	Price
60 (P60)	8in, Plain Back, SiC Disc	25	SCP-8060-25	26
80 (P80)	8in, Plain Back, SiC Disc	25	SCP-8080-25	23
120 (P120)	8in, Plain Back, SiC Disc	25	SCP-8120-25	20
180 (P180)	8in, Plain Back, SiC Disc	25	SCP-8180-25	20
240 (P280)	8in, Plain Back, SiC Disc	25	SCP-8240-25	20
320 (P400)	8in, Plain Back, SiC Disc	25	SCP-8320-25	20
360 (P600)	8in, Plain Back, SiC Disc	25	SCP-8360-25	20
400 (P800)	8in, Plain Back, SiC Disc	25	SCP-8400-25	20
600 (P1200)	8in, Plain Back, SiC Disc	25	SCP-8600-25	20
800 (P2400)	8in, Plain Back, SiC Disc	25	SCP-8800-25	26
1000 (P3000)	8in, Plain Back, SiC Disc	25	SCP-81000-25	26
1200 (P4000)	8in, Plain Back, SiC Disc	25	SCP-81200-25	26

8in SiC Paper - Plain Back



Silicon Carbide Grinding Paper Discs

10in (254mm) SiC Abrasive Paper Disc, PSA - Qty 100/pkg

Grit ANSI (FEPA)	Product	Qty	Item Number	Price
60 (P60)	10in, PSA, SiC Disc	100	SCA-10060-100	189
80 (P80)	10in, PSA, SiC Disc	100	SCA-10080-100	169
120 (P120)	10in, PSA, SiC Disc	100	SCA-10120-100	149
180 (P180)	10in, PSA, SiC Disc	100	SCA-10180-100	139
240 (P280)	10in, PSA, SiC Disc	100	SCA-10240-100	139
320 (P400)	10in, PSA, SiC Disc	100	SCA-10320-100	139
360 (P600)	10in, PSA, SiC Disc	100	SCA-10360-100	139
400 (P800)	10in, PSA, SiC Disc	100	SCA-10400-100	139
600 (P1200)	10in, PSA, SiC Disc	100	SCA-10600-100	139
800 (P2400)	10in, PSA, SiC Disc	100	SCA-10800-100	195
1000 (P3000)	10in, PSA, SiC Disc	100	SCA-101000-100	195
1200 (P4000)	10in, PSA, SiC Disc	100	SCA-101200-100	195

10in (254mm) SiC Abrasive Paper Disc, PSA - Qty 25/pkg

Grit ANSI (FEPA)	Product	Qty	Item Number	Price
60 (P60)	10in, PSA, SiC Disc	25	SCA-10060-25	55
80 (P80)	10in, PSA, SiC Disc	25	SCA-10080-25	50
120 (P120)	10in, PSA, SiC Disc	25	SCA-10120-25	40
180 (P180)	10in, PSA, SiC Disc	25	SCA-10180-25	40
240 (P280)	10in, PSA, SiC Disc	25	SCA-10240-25	40
320 (P400)	10in, PSA, SiC Disc	25	SCA-10320-25	40
360 (P600)	10in, PSA, SiC Disc	25	SCA-10360-25	40
400 (P800)	10in, PSA, SiC Disc	25	SCA-10400-25	40
600 (P1200)	10in, PSA, SiC Disc	25	SCA-10600-25	40
800 (P2400)	10in, PSA, SiC Disc	25	SCA-10800-25	55
1000 (P3000)	10in, PSA, SiC Disc	25	SCA-101000-25	55
1200 (P4000)	10in, PSA, SiC Disc	25	SCA-101200-25	55

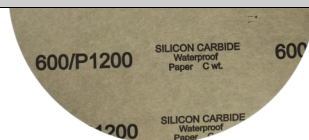
10in SiC Paper - Adhesive Back



Silicon Carbide Grinding Paper Discs

10in (254mm) SiC Abrasive Paper Disc, Plain Back - Qty 100/pkg

Grit ANSI (FEPA)	Product	Qty	Item Number	Price
60 (P60)	10in, Plain Back, SiC Disc	100	SCP-10060-100	129
80 (P80)	10in, Plain Back, SiC Disc	100	SCP-10080-100	119
120 (P120)	10in, Plain Back, SiC Disc	100	SCP-10120-100	109
180 (P180)	10in, Plain Back, SiC Disc	100	SCP-10180-100	103
240 (P280)	10in, Plain Back, SiC Disc	100	SCP-10240-100	95
320 (P400)	10in, Plain Back, SiC Disc	100	SCP-10320-100	95
360 (P600)	10in, Plain Back, SiC Disc	100	SCP-10360-100	95
400 (P800)	10in, Plain Back, SiC Disc	100	SCP-10400-100	95
600 (P1200)	10in, Plain Back, SiC Disc	100	SCP-10600-100	95
800 (P2400)	10in, Plain Back, SiC Disc	100	SCP-10800-100	135
1000 (P3000)	10in, Plain Back, SiC Disc	100	SCP-101000-100	135
1200 (P4000)	10in, Plain Back, SiC Disc	100	SCP-101200-100	135



10in (254mm) SiC Abrasive Paper Disc, Plain Back - Qty 25/pkg

Grit ANSI (FEPA)	Product	Qty	Item Number	Price
60 (P60)	10in, Plain Back, SiC Disc	25	SCP-10060-25	37
80 (P80)	10in, Plain Back, SiC Disc	25	SCP-10080-25	34
120 (P120)	10in, Plain Back, SiC Disc	25	SCP-10120-25	30
180 (P180)	10in, Plain Back, SiC Disc	25	SCP-10180-25	28
240 (P280)	10in, Plain Back, SiC Disc	25	SCP-10240-25	28
320 (P400)	10in, Plain Back, SiC Disc	25	SCP-10320-25	28
360 (P600)	10in, Plain Back, SiC Disc	25	SCP-10360-25	28
400 (P800)	10in, Plain Back, SiC Disc	25	SCP-10400-25	28
600 (P1200)	10in, Plain Back, SiC Disc	25	SCP-10600-25	28
800 (P2400)	10in, Plain Back, SiC Disc	25	SCP-10800-25	37
1000 (P3000)	10in, Plain Back, SiC Disc	25	SCP-101000-25	37
1200 (P4000)	10in, Plain Back, SiC Disc	25	SCP-101200-25	37



Silicon Carbide Grinding Paper Discs

12in (305mm) SiC Abrasive Paper Disc, PSA - Qty 100/pkg

Grit ANSI (FEPA)	Product	Qty	Item Number	Price
60 (P60)	12in, PSA, SiC Disc	100	SCA-12060-100	230
80 (P80)	12in, PSA, SiC Disc	100	SCA-12080-100	210
120 (P120)	12in, PSA, SiC Disc	100	SCA-12120-100	205
180 (P180)	12in, PSA, SiC Disc	100	SCA-12180-100	195
240 (P280)	12in, PSA, SiC Disc	100	SCA-12240-100	185
320 (P400)	12in, PSA, SiC Disc	100	SCA-12320-100	185
360 (P600)	12in, PSA, SiC Disc	100	SCA-12360-100	185
400 (P800)	12in, PSA, SiC Disc	100	SCA-12400-100	185
600 (P1200)	12in, PSA, SiC Disc	100	SCA-12600-100	185
800 (P2400)	12in, PSA, SiC Disc	100	SCA-12800-100	230
1000 (P3000)	12in, PSA, SiC Disc	100	SCA-121000-100	230
1200 (P4000)	12in, PSA, SiC Disc	100	SCA-121200-100	230

12in (305mm) SiC Abrasive Paper Disc, PSA - Qty 25/pkg

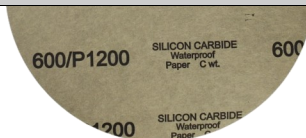
Grit ANSI (FEPA)	Product	Qty	Item Number	Price
60 (P60)	12in, PSA, SiC Disc	25	SCA-12060-25	65
80 (P80)	12in, PSA, SiC Disc	25	SCA-12080-25	60
120 (P120)	12in, PSA, SiC Disc	25	SCA-12120-25	58
180 (P180)	12in, PSA, SiC Disc	25	SCA-12180-25	54
240 (P280)	12in, PSA, SiC Disc	25	SCA-12240-25	52
320 (P400)	12in, PSA, SiC Disc	25	SCA-12320-25	52
360 (P600)	12in, PSA, SiC Disc	25	SCA-12360-25	52
400 (P800)	12in, PSA, SiC Disc	25	SCA-12400-25	52
600 (P1200)	12in, PSA, SiC Disc	25	SCA-12600-25	52
800 (P2400)	12in, PSA, SiC Disc	25	SCA-12800-25	65
1000 (P3000)	12in, PSA, SiC Disc	25	SCA-121000-25	65
1200 (P4000)	12in, PSA, SiC Disc	25	SCA-121200-25	65



Silicon Carbide Grinding Paper Discs

12in (305mm) SiC Abrasive Paper Disc, Plain Back - Qty 100/pkg

Grit ANSI (FEPA)	Product	Qty	Item Number	Price
60 (P60)	12in, Plain Back, SiC Disc	100	SCP-12060-100	160
80 (P80)	12in, Plain Back, SiC Disc	100	SCP-12080-100	150
120 (P120)	12in, Plain Back, SiC Disc	100	SCP-12120-100	130
180 (P180)	12in, Plain Back, SiC Disc	100	SCP-12180-100	120
240 (P280)	12in, Plain Back, SiC Disc	100	SCP-12240-100	120
320 (P400)	12in, Plain Back, SiC Disc	100	SCP-12320-100	120
360 (P600)	12in, Plain Back, SiC Disc	100	SCP-12360-100	120
400 (P800)	12in, Plain Back, SiC Disc	100	SCP-12400-100	120
600 (P1200)	12in, Plain Back, SiC Disc	100	SCP-12600-100	120
800 (P2400)	12in, Plain Back, SiC Disc	100	SCP-12800-100	168
1000 (P3000)	12in, Plain Back, SiC Disc	100	SCP-121000-100	168
1200 (P4000)	12in, Plain Back, SiC Disc	100	SCP-121200-100	168



12in (305mm) SiC Abrasive Paper Disc, Plain Back - Qty 25/pkg

Grit ANSI (FEPA)	Product	Qty	Item Number	Price
60 (P60)	12in, Plain Back, SiC Disc	25	SCP-12060-25	50
80 (P80)	12in, Plain Back, SiC Disc	25	SCP-12080-25	45
120 (P120)	12in, Plain Back, SiC Disc	25	SCP-12120-25	40
180 (P180)	12in, Plain Back, SiC Disc	25	SCP-12180-25	38
240 (P280)	12in, Plain Back, SiC Disc	25	SCP-12240-25	38
320 (P400)	12in, Plain Back, SiC Disc	25	SCP-12320-25	38
360 (P600)	12in, Plain Back, SiC Disc	25	SCP-12360-25	38
400 (P800)	12in, Plain Back, SiC Disc	25	SCP-12400-25	38
600 (P1200)	12in, Plain Back, SiC Disc	25	SCP-12600-25	38
800 (P2400)	12in, Plain Back, SiC Disc	25	SCP-12800-25	50
1000 (P3000)	12in, Plain Back, SiC Disc	25	SCP-121000-25	50
1200 (P4000)	12in, Plain Back, SiC Disc	25	SCP-121200-25	50



SiC Paper Strips and Rolls



SiC Abrasive Paper Strips, 11 in x 3 in, PSA - Qty 100/pkg

Grit ANSI (FEPA)	Product	Qty	Item Number	Price
120 (P120)	11 in x 3 in, PSA, SiC Strips	100	SCS-113120	55
240 (P280)	11 in x 3 in, PSA, SiC Strips	100	SCS-113240	55
320 (P400)	11 in x 3 in, PSA, SiC Strips	100	SCS-113320	55
400 (P800)	11 in x 3 in, PSA, SiC Strips	100	SCS-113400	55
600 (P1200)	11 in x 3 in, PSA, SiC Strips	100	SCS-113600	55
800 (P2400)	11 in x 3 in, PSA, SiC Strips	100	SCS-113800	65
1000 (P3000)	11 in x 3 in, PSA, SiC Strips	100	SCS-1131000	65
1200 (P4000)	11 in x 3 in, PSA, SiC Strips	100	SCS-1131200	65



SiC Abrasive Paper Rolls 3-7/16 in x 60-ft x 1 in Core - 1/pkg

Grit	Product	Qty	Item Number	Price
120 (P120)	3-7/16 in x 60-ft x 1 in Core, Plain, SiC Roll	1	SCR-120	45
180 (P180)	3-7/16 in x 60-ft x 1 in Core, Plain, SiC Roll	1	SCR-180	45
240 (P280)	3-7/16 in x 60-ft x 1 in Core, Plain, SiC Roll	1	SCR-240	45
320 (P400)	3-7/16 in x 60-ft x 1 in Core, Plain, SiC Roll	1	SCR-320	45
360 (P600)	3-7/16 in x 60-ft x 1 in Core, Plain, SiC Roll	1	SCR-360	45
400 (P800)	3-7/16 in x 60-ft x 1 in Core, Plain, SiC Roll	1	SCR-400	45
600 (P1200)	3-7/16 in x 60-ft x 1 in Core, Plain, SiC Roll	1	SCR-600	45
800 (P2400)	3-7/16 in x 75-ft x 1 in Core, Plain, SiC Roll	1	SCR-800	55
1000 (P3000)	3-7/16 in x 75-ft x 1 in Core, Plain, SiC Roll	1	SCR-1000	55
1200 (P4000)	3-7/16 in x 75-ft x 1 in Core, Plain, SiC Roll	1	SCR-1200	55



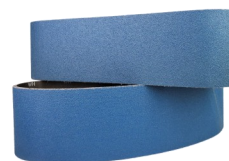
Grinding Belts - SiC and Zr



SiC Abrasive Belts, 4in x 36in - Qty 10/pkg

Grit ANSI (FEPA)	Product	Qty	Item Number	Price
60 (P60)	4in x 36in, SiC Belts	10	SCB-436060	92
120 (P120)	4in x 36in, SiC Belts	10	SCB-436120	92
180 (P180)	4in x 36in, SiC Belts	10	SCB-436180	92
240 (P280)	4in x 36in, SiC Belts	10	SCB-436240	92
320 (P400)	4in x 36in, SiC Belts	10	SCB-436320	92
400 (P800)	4in x 36in, SiC Belts	10	SCB-436400	92

Limited Stock Item. Contact Customer Service for product availability: info@onpointabrasives.com



ZircPro Zirconia Abrasive Belts 4in x 36in - Qty 5/pkg

Grit ANSI (FEPA)	Product	Qty	Item Number	Price
60 (P60)	4in x 36in, Zr Belts	5	ZCPB-060	75



ZircPro Zirconia Grinding Cloths 8in, 10in and 12in - Qty 25/pkg

Grit ANSI (FEPA)	Product	Qty	Item Number	Price
60 (P60)	8in (203mm), PSA, Zr Discs	25	ZRP-8060	100
120 (P120)	8in (203mm), PSA, Zr Discs	25	ZCP-8120	100
60 (P60)	10in (254mm), PSA, Zr Discs	25	ZRP-10060	140
120 (P120)	10in (254mm), PSA, Zr Discs	25	ZCP-10120	140
60 (P60)	12in (305mm), PSA, Zr Discs	25	ZRP-12060	180
120 (P120)	12in (305mm), PSA, Zr Discs	25	ZCP-12120	180

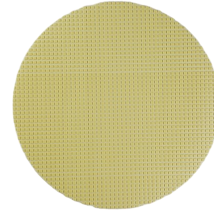
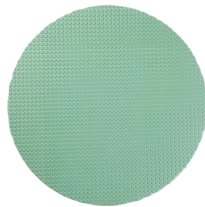


Diamond Grinding Discs

OnPoint Abrasives' Diamond Grinding Discs are the perfect choice for laboratories looking to minimize consumable changeover time across all grinding stages. Available in both PSA (adhesive) backing and magnetic backing, these discs offer flexibility to suit a variety of equipment setups.

Resin-Bonded Diamond Grinding Discs

These discs are a versatile solution for a wide range of materials, including metals, minerals, polymers, composites, and ceramics. Featuring diamond abrasive embedded in a resin matrix, their patterned surface of abrasive squares and channels reduces debris buildup, ensuring consistent grinding efficiency. Designed for coarse, intermediate, and fine grinding, they deliver high removal rates, excellent flatness, and exceptional durability, minimizing waste and maximizing technician convenience. Designed to be used with a lubricant.



Metal-Bonded Diamond Grinding Discs

Engineered for grinding hard materials such as heat-treated metals, glass, and ceramics, these discs feature diamond abrasive embedded in a robust metal matrix. They are specifically designed to handle demanding grinding applications, providing superior wear resistance, long-lasting reliability, and consistent performance. When used with a lubricant, they ensure exceptional grinding efficiency and an extended lifespan, making them a dependable choice for any materials testing laboratory. Designed to be used with a lubricant.



Diamond Discs (resin bond)



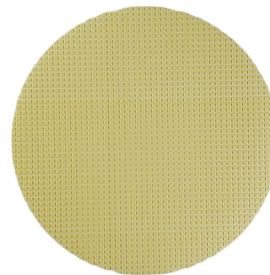
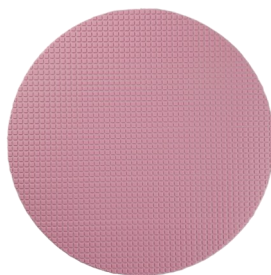
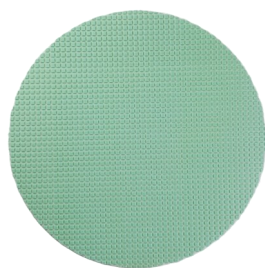
Diamond Grinding Discs - Resin Bond

8in (200mm) Diamond Grinding Disc, Resin Bond, **PSA** - Qty 1/pkg

Grit	Micron	Product	Item Number	Price
180 (P180)	~75	8in, PSA, Resin Bond Diamond Disc	DGRA-8180	90
240 (P280)	~45	8in, PSA, Resin Bond Diamond Disc	DGRA-8240	90
320 (P400)	~35	8in, PSA, Resin Bond Diamond Disc	DGRA-8320	90
400 (P800)	~25	8in, PSA, Resin Bond Diamond Disc	DGRA-8400	90
600 (P1200)	~15	8in, PSA, Resin Bond Diamond Disc	DGRA-8600	90
800 (P2400)	~9	8in, PSA, Resin Bond Diamond Disc	DGRA-8800	90
1200 (P4000)	~5	8in, PSA, Resin Bond Diamond Disc	DGRA-81200	90

8in (200mm) Diamond Grinding Disc, Resin Bond, **Magnetic Steel** - Qty 1/pkg

Grit	Micron	Product	Item Number	Price
180 (P180)	~75	8in, Magnetic Steel, Resin Bond Diamond Disc	DGRS-8180	100
240 (P280)	~45	8in, Magnetic Steel, Resin Bond Diamond Disc	DGRS-8240	100
320 (P400)	~35	8in, Magnetic Steel, Resin Bond Diamond Disc	DGRS-8320	100
400 (P800)	~25	8in, Magnetic Steel, Resin Bond Diamond Disc	DGRS-8400	100
600 (P1200)	~15	8in, Magnetic Steel, Resin Bond Diamond Disc	DGRS-8600	100
800 (P2400)	~9	8in, Magnetic Steel, Resin Bond Diamond Disc	DGRS-8800	100
1200 (P4000)	~5	8in, Magnetic Steel, Resin Bond Diamond Disc	DGRS-81200	100



8in Diamond Discs (resin bond)

10in (254mm) and 12in (305mm) discs coming soon. Contact Customer Service for more details.
Email: info@onpointabrasives.com



www.onpointabrasives.com

Diamond Grinding Discs - Metal Bond

8in (200mm) Diamond Grinding Disc, Metal Bond, PSA - Qty 1/pkg

Grit	Micron	Product	Item Number	Price
120 (P120)	~125	8in, PSA, Metal Bond Diamond Disc	DGMA-8120	145
180 (P180)	~75	8in, PSA, Metal Bond Diamond Disc	DGMA-8180	145
320 (P400)	~35	8in, PSA, Metal Bond Diamond Disc	DGMA-8320	145
600 (P1200)	~15	8in, PSA, Metal Bond Diamond Disc	DGMA-8600	145
800 (P2400)	~9	8in, PSA, Metal Bond Diamond Disc	DGMA-8800	145

8in (200mm) Diamond Grinding Disc, Metal Bond, Magnetic Steel - Qty 1/pkg

Grit	Micron	Product	Item Number	Price
120 (P120)	~125	8in, Magnetic, Metal Bond Diamond Disc	DGMS-8120	175
180 (P180)	~75	8in, Magnetic, Metal Bond Diamond Disc	DGMS-8180	175
320 (P400)	~35	8in, Magnetic, Metal Bond Diamond Disc	DGMS-8320	175
600 (P1200)	~15	8in, Magnetic, Metal Bond Diamond Disc	DGMS-8600	175
800 (P2400)	~9	8in, Magnetic, Metal Bond Diamond Disc	DGMS-8800	175

10in (254mm) and 12in (305mm) discs coming soon. Contact Customer Service for more details.
Email: info@onpointabrasives.com

Lubricants, Water-Based, Oil-Based, and Alcohol-Based

Name	Product	Size	Item Number	Price
Lubrimet-W	Water-Based Lubricant	16oz (473ml)	LBW-16	11
Lubrimet-O	Oil-Based Lubricant	16oz (473ml)	LBO-16	11
Lubrimet-A	Alcohol-Based Lubricant*	16oz (473ml)	LBA-16	15

*Ground shipping only. Cannot be shipped by air.
See page 53 for all more information



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POLISHING

To Order Call: 1 602 362 2212



Polishing Cloths



**Polycrystalline
Diamond Suspension**



**Monocrystalline
Diamond Suspension**



Alumina Suspension



Colloidal Silica

And more...



www.onpointabrasives.com

Polishing Consumables

Polishing Cloth Selection Guide

PlanarMesh

Unique metal mesh pad that provides excellent flatness on hard materials while preserving the specimen's edge.



30 - 9 micron
Ceramics, Thermal Spray Coatings,
Brittle Coatings, Glass

MasterPlan

Hard, woven, nappless cloth that promotes a high level of flatness during polishing.



30 - 6 micron
Ferrous Metals, Thermal Spray
Coatings, Refractory Alloys, Ceramics

UltraSilk

Medium hard, woven silk cloth. Versatile choice for coarse and intermediate steps on harder materials.



30 - 3 micron
Ferrous Metals, Non-Ferrous Metals,
Coatings, Polymers, Refractory Alloys,
Ceramics

SimpleNylon

Woven, nappless cloth with medium hardness. Versatile choice for coarse and intermediate polishing applications.



30 - 3 micron
Ferrous Metals, Non-Ferrous Metals,
Carbides, Cast Irons, Precious Metals,
Polymers

GoldStandard

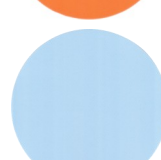
Dense, hard, woven cloth. Versatile choice for coarse and intermediate steps on harder materials.



15 - 1 micron
Refractory Alloys, Glass, Ceramics,
Coatings, Composites

ProDac

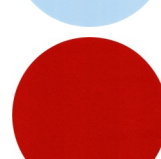
Soft, woven cloth made of synthetic satin. Excellent for intermediate polishing on a wide range of materials.



9 - 1 micron
Ferrous Metals, Non-Ferrous Metals,
Refractory Alloys, Coatings, Polymers

RedFelt

Soft, durable cloth made of wool. Versatile choice for both intermediate and fine polishing steps on many materials.



9 - 0.02 micron
Ferrous Metals

Polishing Cloth Selection Guide

NoWeave

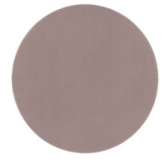
Flat, non-woven cloth made of polyurethane fibers. Highly versatile cloth for intermediate and fine polishing applications.



9 - 0.02 micron
Wide range of materials

FinalFloc

Soft, long-nap cloth made of rayon fibers. Most common cloth for final polishing.



6 - 0.02 micron
Ferrous Metals, Non-Ferrous Metals,
Cast Irons, Electronics, Composites,
Polymers, Ceramics

UltraViolet

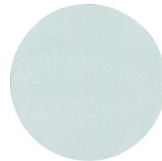
Soft, high-nap cloth. Excellent for final polishing of most materials.



3 - 0.02 micron
Ferrous Metals, Low-Melting Point
Alloys, Precious Metals

MintPlus

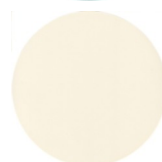
Napped cloth made of synthetic fibers. This durable cloth can be used for one-step polishing of steels.



3 - 0.02 micron
Steels and Sintered Carbides

ShortFinal

Soft, low-nap cloth made of rayon fibers. Minimizes relief and edge rounding in very soft materials.



3 - 0.02 micron
Ferrous Metals, Non-Ferrous Metals,
Microelectronics, PCBs, Lead,
Magnesium

SpecCloth

Firm, medium-nap cloth made of rayon fibers. Durable cloth that provides good edge retention during longer duration polishing.



3 - 0.02 micron
Wide range of materials

ChemPro

Dense, porous, non-woven cloth. Excellent when combined with ProPrep Colloidal Silica as a final polishing step.



1 - 0.02 micron
Aluminum, Refractory Alloys, Silicon,
Ceramics, Glass

Metallographic polishing cloths are used in combination with an abrasive to remove the final layers of damage that remain from subsequent grinding steps. This subtle and effective removal method exposes the materials original structure, making it suitable for many forms of analysis.

Our polishing cloths undergo rigorous quality testing ensuring repeatability and consistency in your preparation results. Available in a variety of fabrics, naps, and weaves, OnPoint has a cloth for every application.

Polishing cloths are available with PSA (adhesive), Rubber Magnetic, and Steel Magnetic backings. Magnetic back cloths offer a convenient and efficient method for exchanging abrasive steps. See page 40 for more information on our MagLink fixation system.

Polishing Cloth Selection Guide by Material

P = Preferred Choice
* = Compatible Choice

	PlanarMesh	MasterPlan	UltraSilk	GoldStandard	SimpleNylon	ProDac	MintPlus	RedFelt	NoWeave	ChemPro	FinalFloc	UltraViolet	ShortFinal	SpecCloth
	COARSE					INTERMEDIATE				FINE				
Aluminum		P	*		*	P	*		*	P	*	*		*
Cast Iron		P	*	*	*	P	*	*	*		P	*	*	*
Ceramic	P	P		P		*			P		*			*
Copper			P	*	*	P	*	*	P	P	*	*		*
Tool Steels		P	*	*	*	P	*	*	*	*	*	*		P
Heat Treated Steels		P	*	P	*	*	*	*		*	*	P		*
Nickel Based Alloys		P	*	*	*	P	*	*	*	P	*	*		*
Polymers			*	P					P		*	*	*	
Silicon				P		*	*		*	P	*		*	*
Sintered Carbides		*		P	*		P			P				
Soft Steels		P	*	*	*	P	*	*	*	*	P	*	*	*
Stainless Steels		P	*	*	*	P	*	*	*	*	P	*	*	*
Thermal Spray	P	*	*	*	P	P	*		*	P	*			*
Titanium		P	*	*	*	P		*	*	*	*	*		P
Tungsten		P	*	*	*	P		*	*	P	*	*		*

Polishing Cloths

Our high-quality polishing cloths are designed to work in combination with an abrasive to gently remove the final layers of damage left by prior grinding steps. This precise and effective removal method reveals the material's original structure, making it suitable for detailed analysis.

At OnPoint, we ensure every cloth undergoes rigorous quality testing to guarantee repeatability and consistency in your preparation results. With a wide variety of fabrics, naps, and weaves, we have the perfect cloth for every application.

Industry-Trusted Quality and Compatibility

OnPoint's polishing cloths are sourced from the same manufacturer as many of the leading names in the industry, ensuring comparable or identical quality to top competitors. Some of our cloths are direct matches to well-known brands, including:

- MasterPlan
- SimpleNylon
- GoldStandard
- RedFelt
- NoWeave
- FinalFloc
- ChemPro
- SpecCloth

Choosing OnPoint means you get the performance you trust at a competitive price.

Backing Options for Polishing Cloths

Our polishing cloths are available in 8in (203mm), 10in (254mm), and 12in (305mm) sizes to accommodate a variety of equipment setups.

Backing Options for Polishing Cloths

- PSA (Adhesive) Backing
- Rubber Magnetic Backing
- Steel Magnetic Backing

Magnetic-backed cloths provide a fast and convenient method for switching abrasive steps, enhancing efficiency in the laboratory. For details on our MagLink fixation system, see page 40.



Polishing Cloths

8in (203mm) Polishing Cloths, PSA

Cloth	Product	Qty	Item Number	Price
PlanarMesh	8in, PSA, Cloth	5	PMP-08	52
MasterPlan	8in, PSA, Cloth	10	MPP-08	52
UltraSilk	8in, PSA, Cloth	10	USP-08	52
SimpleNylon	8in, PSA, Cloth	10	SNP-08	52
GoldStandard	8in, PSA, Cloth	10	GSP-08	52
ProDac	8in, PSA, Cloth	10	PDP-08	52
RedFelt	8in, PSA, Cloth	10	RFP-08	58
NoWeave	8in, PSA, Cloth	10	NWP-08	62
FinalFloc	8in, PSA, Cloth	10	FFP-08	52
UltraViolet	8in, PSA, Cloth	10	UVP-08	52
MintPlus	8in, PSA, Cloth	10	MTP-08	52
ShortFinal	8in, PSA, Cloth	10	SFP-08	52
SpecCloth	8in, PSA, Cloth	10	SPP-08	52
ChemPro	8in, PSA, Cloth	5	CPP-08	75

Cloth Backing Options for Fixation

PSA (Adhesive)	Adhesive backed cloths are bonded directly to your platen/working wheel or to a MagLink Plate if using a magnetic exchange system.
Magnetic Rubber**	Magnetic rubber backed cloths fix to your platen/working wheel by magnetic energy. This simplifies consumable exchanges, and adds convenience, efficiency and improved lifespan of your cloths. 5/pkg
Magnetic Steel**	Magnetic steel backed cloths come installed on a rigid stainless steel plate. These cloths offer a low-resilience/compliance solution with the convenience and efficiency of the magnetic system. 5/pkg

**Requires magnetic platen/working wheel. For more information see page 40.



8in (203mm) Magnetic Polishing Cloths, Magnetic Rubber Back - 5/pkg

Cloth	Product	Qty	Item Number	Price
PlanarMesh	8in, Magnetic Rubber, Cloth	5	PMR-08	85
MasterPlan	8in, Magnetic Rubber, Cloth	5	MPR-08	55
UltraSilk	8in, Magnetic Rubber, Cloth	5	USR-08	55
SimpleNylon	8in, Magnetic Rubber, Cloth	5	SNR-08	55
GoldStandard	8in, Magnetic Rubber, Cloth	5	GSR-08	55
ProDac	8in, Magnetic Rubber, Cloth	5	PDR-08	55
RedFelt	8in, Magnetic Rubber, Cloth	5	RFR-08	55
NoWeave	8in, Magnetic Rubber, Cloth	5	NWR-08	55
FinalFloc	8in, Magnetic Rubber, Cloth	5	FFR-08	55
UltraViolet	8in, Magnetic Rubber, Cloth	5	UVR-08	55
MintPlus	8in, Magnetic Rubber, Cloth	5	MTR-08	55
ShortFinal	8in, Magnetic Rubber, Cloth	5	SFR-08	55
SpecCloth	8in, Magnetic Rubber, Cloth	5	SPR-08	55
ChemPro	8in, Magnetic Rubber, Cloth	5	CPR-08	95

8in (203mm) Magnetic Polishing Cloths, Magnetic Steel Back - 5/pkg

Cloth	Product	Qty	Item Number	Price
PlanarMesh	8in, Magnetic Steel, Cloth	5	PMS-08	110
MasterPlan	8in, Magnetic Steel, Cloth	5	MPS-08	90
UltraSilk	8in, Magnetic Steel, Cloth	5	USS-08	90
SimpleNylon	8in, Magnetic Steel, Cloth	5	SNS-08	90
GoldStandard	8in, Magnetic Steel, Cloth	5	GSS-08	90
ProDac	8in, Magnetic Steel, Cloth	5	PDS-08	90
RedFelt	8in, Magnetic Steel, Cloth	5	RFS-08	90
NoWeave	8in, Magnetic Steel, Cloth	5	NWS-08	90
FinalFloc	8in, Magnetic Steel, Cloth	5	FFS-08	90
UltraViolet	8in, Magnetic Steel, Cloth	5	UVS-08	90
MintPlus	8in, Magnetic Steel, Cloth	5	MTS-08	90
ShortFinal	8in, Magnetic Steel, Cloth	5	SFS-08	90
SpecCloth	8in, Magnetic Steel, Cloth	5	SPS-08	90
ChemPro	8in, Magnetic Steel, Cloth	5	CPS-08	140

8in Polishing Cloths - Magnetic



Polishing Cloths

10in (254mm) Polishing Cloths, PSA

Cloth	Product	Qty	Item Number	Price
PlanarMesh	10in, PSA, Cloth	5	PMP-10	85
MasterPlan	10in, PSA, Cloth	10	MPP-10	85
UltraSilk	10in, PSA, Cloth	10	USP-10	85
SimpleNylon	10in, PSA, Cloth	10	SNP-10	85
GoldStandard	10in, PSA, Cloth	10	GSP-10	85
ProDac	10in, PSA, Cloth	10	PDP-10	85
RedFelt	10in, PSA, Cloth	10	RFP-10	85
NoWeave	10in, PSA, Cloth	10	NWP-10	85
FinalFloc	10in, PSA, Cloth	10	FFP-10	75
UltraViolet	10in, PSA, Cloth	10	UVP-10	85
MintPlus	10in, PSA, Cloth	10	MTP-10	85
ShortFinal	10in, PSA, Cloth	10	SFP-10	85
SpecCloth	10in, PSA, Cloth	10	SPP-10	85
ChemPro	10in, PSA, Cloth	5	CPP-10	120

Cloth Backing Options for Fixation

PSA (Adhesive)	Adhesive backed cloths are bonded directly to your platen/working wheel or to a MagLink Plate if using a magnetic exchange system.
Magnetic Rubber**	Magnetic rubber backed cloths fix to your platen/working wheel by magnetic energy. This simplifies consumable exchanges, and adds convenience, efficiency and improved lifespan of your cloths. 5/pkg
Magnetic Steel**	Magnetic steel backed cloths come installed on a rigid stainless steel plate. These cloths offer a low-resilience/compliance solution with the convenience and efficiency of the magnetic system. 5/pkg

**Requires magnetic platen/working wheel. For more information see page 40.



10in (254mm) Magnetic Polishing Cloths, Magnetic Rubber Back - 5/pkg

Cloth	Product	Qty	Item Number	Price
PlanarMesh	10in, Magnetic Rubber, Cloth	5	PMR-10	100
MasterPlan	10in, Magnetic Rubber, Cloth	5	MPR-10	75
UltraSilk	10in, Magnetic Rubber, Cloth	5	USR-10	75
SimpleNylon	10in, Magnetic Rubber, Cloth	5	SNR-10	75
GoldStandard	10in, Magnetic Rubber, Cloth	5	GSR-10	75
ProDac	10in, Magnetic Rubber, Cloth	5	PDR-10	75
RedFelt	10in, Magnetic Rubber, Cloth	5	RFR-10	75
NoWeave	10in, Magnetic Rubber, Cloth	5	NWR-10	75
FinalFloc	10in, Magnetic Rubber, Cloth	5	FFR-10	75
UltraViolet	10in, Magnetic Rubber, Cloth	5	UVR-10	75
MintPlus	10in, Magnetic Rubber, Cloth	5	MTR-10	75
ShortFinal	10in, Magnetic Rubber, Cloth	5	SFR-10	75
SpecCloth	10in, Magnetic Rubber, Cloth	5	SPR-10	75
ChemPro	10in, Magnetic Rubber, Cloth	5	CPR-10	150

10in (254mm) Magnetic Polishing Cloths, Magnetic Steel Back - 5/pkg

Cloth	Product	Qty	Item Number	Price
PlanarMesh	10in, Magnetic Steel, Cloth	5	PMS-10	150
MasterPlan	10in, Magnetic Steel, Cloth	5	MPS-10	125
UltraSilk	10in, Magnetic Steel, Cloth	5	USS-10	125
SimpleNylon	10in, Magnetic Steel, Cloth	5	SNS-10	125
GoldStandard	10in, Magnetic Steel, Cloth	5	GSS-10	125
ProDac	10in, Magnetic Steel, Cloth	5	PDS-10	125
RedFelt	10in, Magnetic Steel, Cloth	5	RFS-10	125
NoWeave	10in, Magnetic Steel, Cloth	5	NWS-10	125
FinalFloc	10in, Magnetic Steel, Cloth	5	FFS-10	125
UltraViolet	10in, Magnetic Steel, Cloth	5	UVS-10	125
MintPlus	10in, Magnetic Steel, Cloth	5	MTS-10	125
ShortFinal	10in, Magnetic Steel, Cloth	5	SFS-10	125
SpecCloth	10in, Magnetic Steel, Cloth	5	SPS-10	125
ChemPro	10in, Magnetic Steel, Cloth	5	CPS-10	195



Polishing Cloths

12in (305mm) Polishing Cloths, PSA

Cloth	Product	Qty	Item Number	Price
PlanarMesh	12in, PSA, Cloth	5	PMP-12	140
MasterPlan	12in, PSA, Cloth	10	MPP-12	105
UltraSilk	12in, PSA, Cloth	10	USP-12	105
SimpleNylon	12in, PSA, Cloth	10	SNP-12	105
GoldStandard	12in, PSA, Cloth	10	GSP-12	105
ProDac	12in, PSA, Cloth	10	PDP-12	105
RedFelt	12in, PSA, Cloth	10	RFP-12	120
NoWeave	12in, PSA, Cloth	10	NWP-12	105
FinalFloc	12in, PSA, Cloth	10	FFP-12	95
UltraViolet	12in, PSA, Cloth	10	UVP-12	105
MintPlus	12in, PSA, Cloth	10	MTP-12	105
ShortFinal	12in, PSA, Cloth	10	SFP-12	105
SpecCloth	12in, PSA, Cloth	10	SPP-12	105
ChemPro	12in, PSA, Cloth	5	CPP-12	150

Cloth Backing Options for Fixation

PSA (Adhesive)	Adhesive backed cloths are bonded directly to your platen/working wheel or to a MagLink Plate if using a magnetic exchange system.
Magnetic Rubber**	Magnetic rubber backed cloths fix to your platen/working wheel by magnetic energy. This simplifies consumable exchanges, and adds convenience, efficiency and improved lifespan of your cloths. 5/pkg
Magnetic Steel**	Magnetic steel backed cloths come installed on a rigid stainless steel plate. These cloths offer a low-resilience/compliance solution with the convenience and efficiency of the magnetic system. 5/pkg

**Requires magnetic platen/working wheel. For more information see page 40.



12in (305mm) Magnetic Polishing Cloths, Magnetic Rubber Back - 5/pkg

Cloth	Product	Qty	Item Number	Price
PlanarMesh	12in, Magnetic Rubber, Cloth	5	PMR-12	160
MasterPlan	12in, Magnetic Rubber, Cloth	5	MPR-12	90
UltraSilk	12in, Magnetic Rubber, Cloth	5	USR-12	90
SimpleNylon	12in, Magnetic Rubber, Cloth	5	SNR-12	90
GoldStandard	12in, Magnetic Rubber, Cloth	5	GSR-12	90
ProDac	12in, Magnetic Rubber, Cloth	5	PDR-12	90
RedFelt	12in, Magnetic Rubber, Cloth	5	RFR-12	90
NoWeave	12in, Magnetic Rubber, Cloth	5	NWR-12	90
FinalFloc	12in, Magnetic Rubber, Cloth	5	FFR-12	90
UltraViolet	12in, Magnetic Rubber, Cloth	5	UVR-12	90
MintPlus	12in, Magnetic Rubber, Cloth	5	MTR-12	90
ShortFinal	12in, Magnetic Rubber, Cloth	5	SFR-12	90
SpecCloth	12in, Magnetic Rubber, Cloth	5	SPR-12	90
ChemPro	12in, Magnetic Rubber, Cloth	5	CPR-12	170

12in (305mm) Magnetic Polishing Cloths, Magnetic Steel Back - 5/pkg

Cloth	Product	Qty	Item Number	Price
PlanarMesh	12in, Magnetic Steel, Cloth	5	PMS-12	240
MasterPlan	12in, Magnetic Steel, Cloth	5	MPS-12	160
UltraSilk	12in, Magnetic Steel, Cloth	5	USS-12	160
SimpleNylon	12in, Magnetic Steel, Cloth	5	SNS-12	160
GoldStandard	12in, Magnetic Steel, Cloth	5	GSS-12	160
ProDac	12in, Magnetic Steel, Cloth	5	PDS-12	160
RedFelt	12in, Magnetic Steel, Cloth	5	RFS-12	160
NoWeave	12in, Magnetic Steel, Cloth	5	NWS-12	160
FinalFloc	12in, Magnetic Steel, Cloth	5	FFS-12	160
UltraViolet	12in, Magnetic Steel, Cloth	5	UVS-12	160
MintPlus	12in, Magnetic Steel, Cloth	5	MTS-12	160
ShortFinal	12in, Magnetic Steel, Cloth	5	SFS-12	160
SpecCloth	12in, Magnetic Steel, Cloth	5	SPS-12	160
ChemPro	12in, Magnetic Steel, Cloth	5	CPS-12	220



MagLink Magnetic System

The MagLink Magnetic System revolutionizes the exchange of abrasive surfaces, providing operators with a versatile and convenient solution. By harnessing magnetic technology, this system enables secure attachment and detachment of abrasive surfaces, streamlining procedure steps and maximizing efficiency.

The system comprises two key components: a base plate and interchangeable polishing cloth/abrasive surface. The **MagLink Base** is an adhesive-backed magnetic plate that permanently bonds to your non-magnetic working wheel, instantly preparing it for a range of magnetic-backed abrasive surfaces.

When it comes to selecting abrasive surfaces, you have a several options. Our diamond grinding discs and polishing cloths can be purchased with a magnetic backing pre-attached for ultimate convenience and effortless attachment and detachment.

Alternatively, you can utilize our **MagLink Plate** in conjunction with adhesive-backed grinding and polishing consumables. The MagLink Plate, a 0.023" thick stainless steel carrier plate, allows operators to bond the adhesive-backed consumables (cloth/grinding paper) onto it. This setup enables easy attachment and detachment of the plate, providing great flexibility. When the abrasive is used up, the operator peels off the used adhesive backed surface from the plate and replaces it with a fresh abrasive surface or polishing cloth. It is best to acquire (1) MagLink Plate for each step in your procedure. This allows you to use each abrasive surface to its full lifespan before replacing.

You are now setup to enjoy the convenience and efficiency of the MagLink System. To change abrasive surfaces, operators can simply lift off the current pad and replace it with a different one. The magnetic force ensures a reliable connection, preventing detachment during use. This feature proves particularly advantageous in scenarios requiring frequent surface changes of consumables.

The MagLink Magnetic System offers numerous advantages over traditional methods of abrasive surface attachment. It eliminates the need for adhesives and inefficient clamping mechanisms, streamlining the process and reducing downtime. Moreover, it delivers a consistent and secure bond, guaranteeing stability and minimizing the risk of accidents or surface misalignment.

MagLink Magnetic System

Working Wheel / Platen (non-magnetic)

The working wheel or platen is an accessory to your polisher, and is specific to the make and model of your unit. Some working wheels come magnetic from the factory while others must be converted using our MagLink Base.



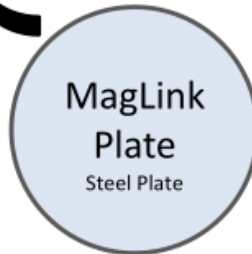
MagLink Base

Make your standard working wheel magnetic by introducing our MagLink Base. Simply peel off the liner to expose the adhesive. Then bond the adhesive side down to your clean working wheel. Now you are ready to enjoy the convenience of the MagLink System.

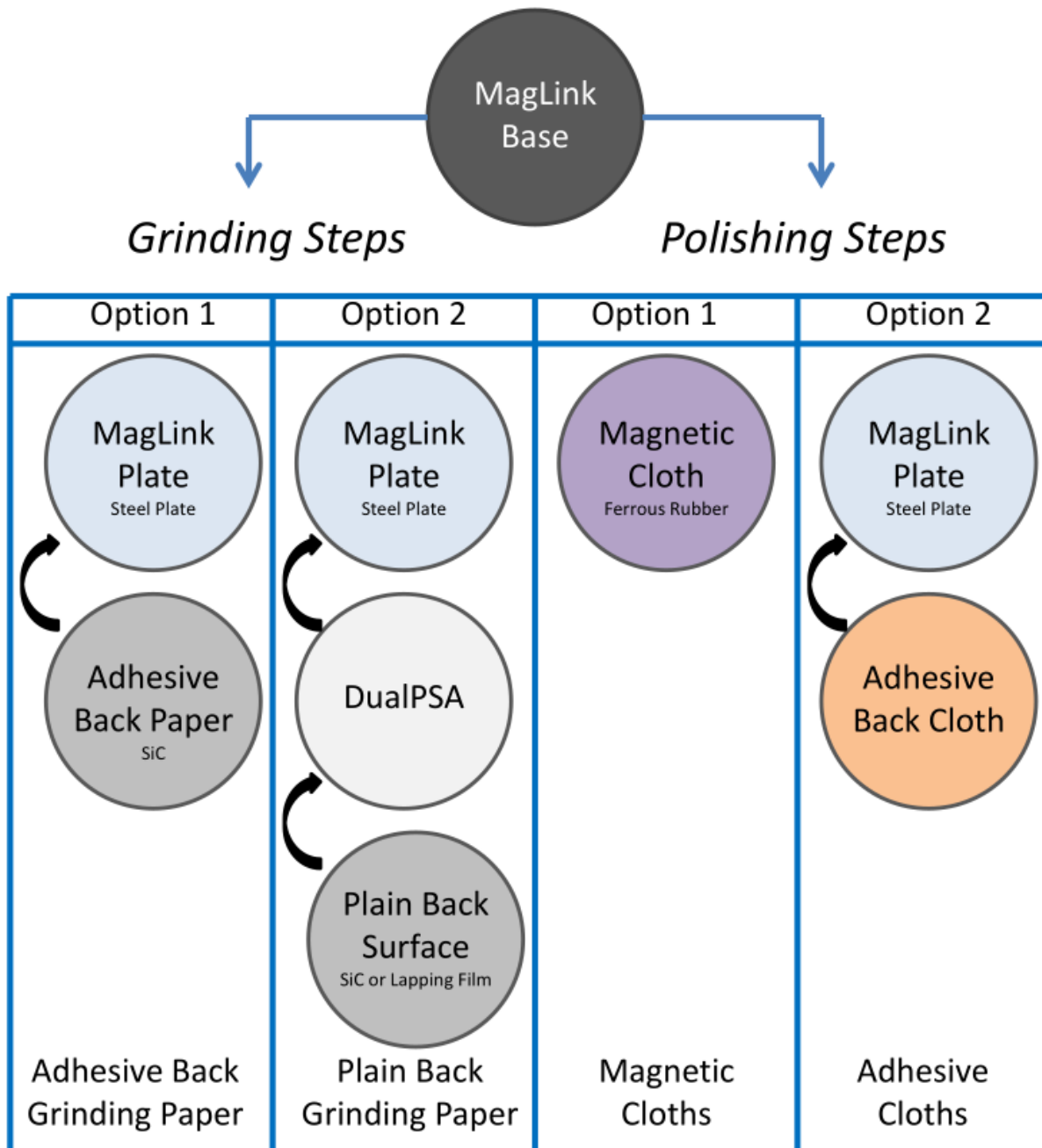


MagLink Plate (carrier plate)

Now that your wheel is magnetic, you are ready to decide which consumables best fit your process. The MagLink Plate is a stainless steel carrier plate used to bond adhesive backed consumables to, for use with the MagLink System.



MagLink Setup Options



Magnetic Attachment

MagLink Magnetic System

8in (203mm) MagLink System Components

Surface	Product	Qty	Item Number	Price
MagLink Base	8in, Magnetic Base	1	MLB-08	25
MagLink Plate	8in, Steel Carrier Plate	1	MLP-08	30

10in (254mm) MagLink System Components

Surface	Product	Qty	Item Number	Price
MagLink Base	10in, Magnetic Base	1	MLB-10	30
MagLink Plate	10in, Steel Carrier Plate	1	MLP-10	38

12in (305mm) MagLink System Components

Surface	Product	Qty	Item Number	Price
MagLink Base	12in, Magnetic Base	1	MLB-12	35
MagLink Plate	12in, Steel Carrier Plate	1	MLP-12	45

DualPSA Double-Sided Adhesive Discs

Surface	Product	Qty	Item Number	Price
8in DualPSA	8in, Double-Sided Adhesive	1	DPSA-0801	6
8in DualPSA	8in, Double-Sided Adhesive	10	DPSA-0810	40
10in DualPSA	10in, Double-Sided Adhesive	1	DPSA-1001	7
10in DualPSA	10in, Double-Sided Adhesive	10	DPSA-1010	50
12in DualPSA	12in, Double-Sided Adhesive	1	DPSA-1201	8
12in DualPSA	12in, Double-Sided Adhesive	10	DPSA-1210	60



Polycrystalline Diamond Suspension

Diabrasive Premium Polycrystalline Diamond Suspensions are the ultimate solution for polishing of your metallographic specimens. This cutting-edge product boasts a high concentration of diamonds, ensuring fast and efficient polishing with minimal effort.

Glycol-Base is water soluble for easy clean up.

High Viscosity intended for dosing by hand
Low Viscosity intended for automated dosing

Perfect Suspension - No shaking required

Diabrasive Premium Polycrystalline Diamond Suspension
Glycol-Based - High-Viscosity

8oz (237 ml)



Micron	Product	Size	Item Number	Price
0.25	Diabrasive Premium - HV	8oz (237ml)	DSP-80025	40
0.50	Diabrasive Premium - HV	8oz (237ml)	DSP-80050	40
1	Diabrasive Premium - HV	8oz (237ml)	DSP-801	40
3	Diabrasive Premium - HV	8oz (237ml)	DSP-803	40
6	Diabrasive Premium - HV	8oz (237ml)	DSP-806	40
9	Diabrasive Premium - HV	8oz (237ml)	DSP-809	40
30	Diabrasive Premium - HV	8oz (237ml)	DSP-830	40

8oz bottle includes pour-spout dispensing cap

16oz (473 ml)

Micron	Product	Size	Item Number	Price
0.25	Diabrasive Premium - HV	16oz (473ml)	DSP-160025	79
0.50	Diabrasive Premium - HV	16oz (473ml)	DSP-160050	79
1	Diabrasive Premium - HV	16oz (473ml)	DSP-1601	79
3	Diabrasive Premium - HV	16oz (473ml)	DSP-1603	79
6	Diabrasive Premium - HV	16oz (473ml)	DSP-1606	79
9	Diabrasive Premium - HV	16oz (473ml)	DSP-1609	79
30	Diabrasive Premium - HV	16oz (473ml)	DSP-1630	79

16oz bottle includes pour-spout dispensing cap and trigger-sprayer



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Polycrystalline Diamond Suspension

Diabrasive Premium Polycrystalline Diamond Suspension Glycol-Based - High-Viscosity

32oz (946ml)

Micron	Product	Size	Item Number	Price
0.25	Diabrasive Premium - HV	32oz (946ml)	DSP-320025	120
0.50	Diabrasive Premium - HV	32oz (946ml)	DSP-320050	120
1	Diabrasive Premium - HV	32oz (946ml)	DSP-3201	120
3	Diabrasive Premium - HV	32oz (946ml)	DSP-3203	120
6	Diabrasive Premium - HV	32oz (946ml)	DSP-3206	120
9	Diabrasive Premium - HV	32oz (946ml)	DSP-3209	120
30	Diabrasive Premium - HV	32oz (946ml)	DSP-3230	120

32oz bottle includes pour-spout dispensing cap and trigger-sprayer

1 Gallon (3.8L)

Micron	Product	Size	Item Number	Price
0.25	Diabrasive Premium - HV	1-Gallon (3.8L)	DSP-1280025	395
0.50	Diabrasive Premium - HV	1-Gallon (3.8L)	DSP-1280050	395
1	Diabrasive Premium - HV	1-Gallon (3.8L)	DSP-12801	395
3	Diabrasive Premium - HV	1-Gallon (3.8L)	DSP-12803	395
6	Diabrasive Premium - HV	1-Gallon (3.8L)	DSP-12806	395
9	Diabrasive Premium - HV	1-Gallon (3.8L)	DSP-12809	395
30	Diabrasive Premium - HV	1-Gallon (3.8L)	DSP-12830	395

1-Gallon bottle includes (1) empty 16oz bottle (1) pour-spout and (1) trigger sprayer.

Lubricants, Water-Based, Oil-Based, and Alcohol-Based

Name	Product	Size	Item Number	Price
<i>Lubrimet-W</i>	Water-Based Lubricant	16oz (473ml)	LBW-16	11
<i>Lubrimet-O</i>	Oil-Based Lubricant	16oz (473ml)	LBO-16	11
<i>Lubrimet-A</i>	Alcohol-Based Lubricant*	16oz (473ml)	LBA-16	15

*Ground shipping only. Cannot be shipped by air.
See page 53 for all more information



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Poly Diamond Suspension - HV

Polycrystalline Diamond Suspension

Diabrasive Premium Polycrystalline Diamond Suspension
Glycol-Based - Low-Viscosity

Low-Viscosity formula intended for automated dosing systems

8oz (237 ml)

Micron	Product	Size	Item Number	Price
0.25	Diabrasive Premium - LV	8oz (237ml)	DSPL-80025	40
0.50	Diabrasive Premium - LV	8oz (237ml)	DSPL-80050	40
1	Diabrasive Premium - LV	8oz (237ml)	DSPL-801	40
3	Diabrasive Premium - LV	8oz (237ml)	DSPL-803	40
6	Diabrasive Premium - LV	8oz (237ml)	DSPL-806	40
9	Diabrasive Premium - LV	8oz (237ml)	DSPL-809	40
30	Diabrasive Premium - LV	8oz (237ml)	DSPL-830	40

8oz bottle includes pour-spout dispensing cap

16oz (473 ml)

Micron	Product	Size	Item Number	Price
0.25	Diabrasive Premium - LV	16oz (473ml)	DSPL-160025	79
0.50	Diabrasive Premium - LV	16oz (473ml)	DSPL-160050	79
1	Diabrasive Premium - LV	16oz (473ml)	DSPL-1601	79
3	Diabrasive Premium - LV	16oz (473ml)	DSPL-1603	79
6	Diabrasive Premium - LV	16oz (473ml)	DSPL-1606	79
9	Diabrasive Premium - LV	16oz (473ml)	DSPL-1609	79
30	Diabrasive Premium - LV	16oz (473ml)	DSPL-1630	79

16oz bottle includes pour-spout dispensing cap and trigger-sprayer

Poly Diamond Suspension - LV



Polycrystalline Diamond Suspension

Diabrasive Premium Polycrystalline Diamond Suspension
Glycol-Based - Low-Viscosity

32oz (946ml)

Micron	Product	Size	Item Number	Price
0.25	Diabrasive Premium - LV	32oz (946ml)	DSPL-320025	120
0.50	Diabrasive Premium - LV	32oz (946ml)	DSPL-320050	120
1	Diabrasive Premium - LV	32oz (946ml)	DSPL-3201	120
3	Diabrasive Premium - LV	32oz (946ml)	DSPL-3203	120
6	Diabrasive Premium - LV	32oz (946ml)	DSPL-3206	120
9	Diabrasive Premium - LV	32oz (946ml)	DSPL-3209	120
30	Diabrasive Premium - LV	32oz (946ml)	DSPL-3230	120

32oz bottle includes pour-spout dispensing cap and trigger-sprayer

1 Gallon (3.8L)

Micron	Product	Size	Item Number	Price
0.25	Diabrasive Premium - LV	1-Gallon (3.8L)	DSPL-1280025	395
0.50	Diabrasive Premium - LV	1-Gallon (3.8L)	DSPL-1280050	395
1	Diabrasive Premium - LV	1-Gallon (3.8L)	DSPL-12801	395
3	Diabrasive Premium - LV	1-Gallon (3.8L)	DSPL-12803	395
6	Diabrasive Premium - LV	1-Gallon (3.8L)	DSPL-12806	395
9	Diabrasive Premium - LV	1-Gallon (3.8L)	DSPL-12809	395
30	Diabrasive Premium - LV	1-Gallon (3.8L)	DSPL-12830	395

1-Gallon bottle includes (1) empty 16oz bottle (1) pour-spout and (1) trigger sprayer.

Lubricants, Water-Based, Oil-Based, and Alcohol-Based

Name	Product	Size	Item Number	Price
<i>LubriMet-W</i>	Water-Based Lubricant	16oz (473ml)	LBW-16	11
<i>LubriMet-O</i>	Oil-Based Lubricant	16oz (473ml)	LBO-16	11
<i>LubriMet-A</i>	Alcohol-Based Lubricant*	16oz (473ml)	LBA-16	15

*Ground shipping only. Cannot be shipped by air.

See page 53 for all more information

16oz bottle includes pour-spout dispensing cap and trigger-sprayer



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Poly Diamond Suspension - LV

Polycrystalline Diamond Slurry

Diabrasive Eco Polycrystalline Diamond Slurry Water-Based

Diabrasive Eco Polycrystalline Diamond Slurry provides an eco-friendly, high-performance solution for polishing metallographic specimens. Formulated with sustainability in mind, they minimize environmental impact while delivering fast, efficient polishing with a high diamond concentration and minimal effort.

Water-Based for easy clean up and sustainability

16oz (473 ml)

Micron	Product	Size	Item Number	Price
1	Diabrasive Eco - Water-Based	16oz (473ml)	DSE-1601	79
3	Diabrasive Eco - Water-Based	16oz (473ml)	DSE-1603	79
6	Diabrasive Eco - Water-Based	16oz (473ml)	DSE-1606	79
9	Diabrasive Eco - Water-Based	16oz (473ml)	DSE-1609	79
30	Diabrasive Eco - Water-Based	16oz (473ml)	DSE-1630	79

16oz bottle includes pour-spout dispensing cap and trigger-sprayer

1 Gallon (3.8L)

Micron	Product	Size	Item Number	Price
1	Diabrasive Eco - Water-Based	1-Gallon (3.8L)	DSE-12801	395
3	Diabrasive Eco - Water-Based	1-Gallon (3.8L)	DSE-12803	395
6	Diabrasive Eco - Water-Based	1-Gallon (3.8L)	DSE-12806	395
9	Diabrasive Eco - Water-Based	1-Gallon (3.8L)	DSE-12809	395
30	Diabrasive Eco - Water-Based	1-Gallon (3.8L)	DSE-12830	395

1-Gallon bottle includes (1) empty 16oz bottle (1) pour-spout and (1) trigger sprayer.



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Lubricants

Lubricants, Water-Based, Oil-Based, and Alcohol-Based

Name	Product	Size	Item Number	Price
Lubrimet-W	Water-Based Lubricant	16oz (473ml)	LBW-16	11
Lubrimet-W	Water-Based Lubricant	32oz (946ml)	LBW-32	22
Lubrimet-W	Water-Based Lubricant	1-Gal (3.8ml)	LBW-128	75
Lubrimet-O	Oil-Based Lubricant	16oz (473ml)	LBO-16	11
Lubrimet-O	Oil-Based Lubricant	32oz (946ml)	LBO-32	22
Lubrimet-A	Alcohol-Based Lubricant*	16oz (473ml)	LBA-16	15
Lubrimet-A	Alcohol-Based Lubricant*	32oz (946ml)	LBA-32	30

*Ground shipping only. Cannot be shipped by air.

16oz bottle includes (1) pour spout and (1) trigger sprayer, 32oz bottle includes (1) pour-spout and (1) trigger sprayer, 1-Gallon bottle includes (1) empty 16oz bottle (1) pour-spout and (1) trigger sprayer.

Monocrystalline vs. Polycrystalline

Monocrystalline Diamond is a cost-effective option for good stock removal and finish. It has a slightly irregular shape with multiple cutting edges, making it suitable for general metallographic applications where the features of Polycrystalline Diamond are not required.

Polycrystalline Diamond offers higher removal rates due to its many cutting surfaces per particle. It maintains its original shape while cutting, resulting in finer finishes in less time compared to Monocrystalline Diamond. Additionally, Polycrystalline Diamond has no cleavage planes, which prevents splintering and reduces sub-surface deformation of the specimen. It is an excellent choice for polishing metallographic samples consisting of different materials or varying hardness levels.



Monocrystalline Diamond Suspension

Diabrasive Choice Monocrystalline Diamond Suspensions are a great solution for polishing of less critical metallographic specimens. This cutting-edge product boasts a high concentration of diamonds, ensuring fast and efficient polishing with minimal effort.

Glycol base is water soluble for easy clean up.

High Viscosity intended for dosing by hand

Dyed for color-coding and easy visibility

Diabrasive Choice Monocrystalline Diamond Suspension
Glycol-Based - Dyed

8oz (237 ml)

Micron	Product	Size	Item Number	Price
1	Diabrasive Choice	8oz (237ml)	DSC-801	24
3	Diabrasive Choice	8oz (237ml)	DSC-803	24
6	Diabrasive Choice	8oz (237ml)	DSC-806	24
9	Diabrasive Choice	8oz (237ml)	DSC-809	24
30	Diabrasive Choice	8oz (237ml)	DSC-830	24

8oz bottle includes pour-spout dispensing cap

16oz (473 ml)

Micron	Product	Size	Item Number	Price
1	Diabrasive Choice	16oz (473ml)	DSC-1601	40
3	Diabrasive Choice	16oz (473ml)	DSC-1603	40
6	Diabrasive Choice	16oz (473ml)	DSC-1606	40
9	Diabrasive Choice	16oz (473ml)	DSC-1609	40
30	Diabrasive Choice	16oz (473ml)	DSC-1630	40

16oz bottle includes pour-spout dispensing cap and trigger-sprayer



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Monocrystalline Diamond Suspension

Diabrasive Choice Monocrystalline Diamond Suspension
Glycol-Based - Dyed

32oz (946 ml)

Micron	Product	Size	Item Number	Price
1	Diabrasive Choice	32oz (946ml)	DSC-3201	75
3	Diabrasive Choice	32oz (946ml)	DSC-3203	75
6	Diabrasive Choice	32oz (946ml)	DSC-3206	75
9	Diabrasive Choice	32oz (946ml)	DSC-3209	75
30	Diabrasive Choice	32oz (946ml)	DSC-3230	75

32oz bottle includes pour-spout dispensing cap and trigger-sprayer

1 Gallon (3.8L)

Micron	Product	Size	Item Number	Price
1	Diabrasive Choice	1-Gallon (3.8L)	DSC-12801	220
3	Diabrasive Choice	1-Gallon (3.8L)	DSC-12803	220
6	Diabrasive Choice	1-Gallon (3.8L)	DSC-12806	220
9	Diabrasive Choice	1-Gallon (3.8L)	DSC-12809	220
30	Diabrasive Choice	1-Gallon (3.8L)	DSC-12830	220

1-Gallon bottle includes (1) empty 16oz bottle (1) pour-spout and (1) trigger sprayer.



Diamond Paste

Diamond Paste

Diamond pastes are excellent for polishing of metallurgical specimens. OnPoint's diamond paste utilizes a high concentration of diamonds, ensuring fast and efficient polishing with minimal effort.

Water soluble for easy clean up.



Polycrystalline Diamond Paste—Water Soluble

Micron	Product	Size	Item Number	Price
1	Poly Diamond Paste	18g	DPP-1801	90
3	Poly Diamond Paste	18g	DPP-1803	90
6	Poly Diamond Paste	18g	DPP-1806	90
9	Poly Diamond Paste	18g	DPP-1809	90

Monocrystalline Diamond Paste—Water Soluble

Micron	Product	Size	Item Number	Price
1	Mono Diamond Paste	18g	DPM-1801	70
3	Mono Diamond Paste	18g	DPM-1803	70
6	Mono Diamond Paste	18g	DPM-1806	70
9	Mono Diamond Paste	18g	DPM-1809	70

Diamond paste is intended to be used with one of our *LubriMet* lubricants. Choose from water based, alcohol based, and oil based lubricants. See page 53

Lubricants and Extenders

OnPoint's line of polishing lubricants are designed to be used as a lubricant in fixed abrasive settings (grinding discs and lapping films) or as an extender in loose abrasives applications (diamond suspensions and paste). Available in water-based, alcohol-based, and oil-based variations.

LubriMet-W is a water based polishing lubricant with cooling properties.

LubriMet-A is an alcohol based product that works great with Diabrasive diamond suspensions. Great choice for water sensitive samples.

LubriMet-O is an oil based lubricant for creating a 100% non-aqueous condition in your preparation procedure.



LubriMet Lubricants and Diamond Extenders

Product	Base	Size	Item Number	Price
LubriMet-W	Water	16oz (473ml)	LBW-16	11
LubriMet-W	Water	32oz (946ml)	LBW-32	22
LubriMet-W	Water	1-Gallon (3.8L)	LBW-128	75
LubriMet-A*	Alcohol	16oz (473ml)	LBA-16	15
LubriMet-A*	Alcohol	32oz (946ml)	LBA-32	30
LubriMet-O	Oil	16oz (473ml)	LBO-16	11
LubriMet-O	Oil	32oz (946ml)	LBO-32	22

*Ground shipping only. Cannot be shipped by air.

16oz bottle includes pour-spout dispensing cap and trigger-sprayer

32oz bottle includes pour-spout dispensing cap and trigger-sprayer

1-Gallon bottle includes (1) empty 16oz bottle (1) pour-spout and (1) trigger sprayer.



Alumina Suspensions

Alumabrasive Alumina suspensions offer a superior option for polishing soft materials. With its high viscosity and water-based formulation, this product delivers exceptional polishing results while using only a minimal amount of slurry.

Particle Size Options

0.05µm

0.3µm

1µm

3µm



Alumabrasive Alumina Suspension

Micron	Product	Size	Item Number	Price
0.05	Alumina Suspension	8oz (237ml)	ALSF-8005	22
0.05	Alumina Suspension	16oz (473ml)	ALSF-16005	38
0.05	Alumina Suspension	32oz (946ml)	ALSF-32005	72
0.05	Alumina Suspension	1-Gallon (3.8L)	ALSF-128005	199
0.3	Alumina Suspension	8oz (237ml)	ALSF-8005	22
0.3	Alumina Suspension	16oz (473ml)	ALSF-16005	38
0.3	Alumina Suspension	32oz (946ml)	ALSF-32005	72
0.3	Alumina Suspension	1-Gallon (3.8L)	ALSF-128005	199
1	Alumina Suspension	8oz (237ml)	ALSF-801	22
1	Alumina Suspension	16oz (473ml)	ALSF-161	38
1	Alumina Suspension	32oz (946ml)	ALSF-321	72
1	Alumina Suspension	1-Gallon (3.8L)	ALSF-1281	199
3	Alumina Suspension	8oz (237ml)	ALSF-803	22
3	Alumina Suspension	16oz (473ml)	ALSF-163	38
3	Alumina Suspension	32oz (946ml)	ALSF-323	72
3	Alumina Suspension	1-Gallon (3.8L)	ALSF-1283	199

8oz bottle includes pour-spout dispensing cap

16oz bottle includes pour-spout dispensing cap

32oz bottle includes pour-spout dispensing cap

1-Gallon bottle includes (1) empty 16oz bottle (1) pour-spout

Alumina Powder

OnPoint's metallurgical grade alumina powder offers an impressive purity of 99.9%. This precisely manufactured alumina powder ensures a narrow particle size distribution range, guaranteeing consistent results.

When combined with distilled water, alumina powder creates a cost-effective polishing slurry suitable for various applications. Great choice for soft materials such as copper, high-purity aluminum, gold, silver, and lead.

Particle Size Options

0.3µm

1µm

3µm

5µm



Alumina Powder

Micron	Product	Size	Item Number	Price
0.3	Alumina Powder	1 lb (0.45 kg)	ALP-6103	30
0.3	Alumina Powder	5 lbs (2.27 kg)	ALP-6503	120
1	Alumina Powder	1 lb (0.45 kg)	ALP-611	45
1	Alumina Powder	5 lbs (2.27 kg)	ALP-651	180
3	Alumina Powder	1 lb (0.45 kg)	ALP-613	22
3	Alumina Powder	5 lbs (2.27 kg)	ALP-653	70
5	Alumina Powder	1 lb (0.45 kg)	ALP-615	22
5	Alumina Powder	5 lbs (2.27 kg)	ALP-655	70

Alumina Powder



Colloidal Silica

ProPrep Colloidal Silica is an excellent final polishing suspension for removing the final layer of surface deformation on materials such as steel, aluminum, nickel alloys, titanium, engineered ceramics, and minerals.

ProPrep: Eco-Friendly

ProPrep 2: Low-Crystallizing Formula

ProPrep Blue: Dyed blue for visibility

0.04 micron

pH 9.5 - 10

40% solids



ProPrep Colloidal Silica

Micron	Product	Size	Item Number	Price
0.04	ProPrep Colloidal Silica	16oz (473ml)	PPS-16	20
0.04	ProPrep Colloidal Silica	32oz (946ml)	PPS-32	34
0.04	ProPrep Colloidal Silica	64oz (1.9L)	PPS-64	60
0.04	ProPrep Colloidal Silica	1-Gallon (3.8L)	PPS-128	105

ProPrep 2 Colloidal Silica - Low Crystallizing formula

Micron	Product	Size	Item Number	Price
0.04	ProPrep 2 Colloidal Silica	16oz (473ml)	PP2S-16	22
0.04	ProPrep 2 Colloidal Silica	32oz (946ml)	PP2S-32	38
0.04	ProPrep 2 Colloidal Silica	64oz (1.9L)	PP2S-64	64
0.04	ProPrep 2 Colloidal Silica	1-Gallon (3.8L)	PP2S-128	110

ProPrep Colloidal Silica Blue - Dyed for easy visibility

Micron	Product	Size	Item Number	Price
0.04	ProPrep Blue Colloidal Silica	16oz (473ml)	PPB-16	20
0.04	ProPrep Blue Colloidal Silica	32oz (946ml)	PPB-32	34
0.04	ProPrep Blue Colloidal Silica	64oz (1.9L)	PPB-64	60
0.04	ProPrep Blue Colloidal Silica	1-Gallon (3.8L)	PPB-128	105

16oz bottle includes pour-spout dispensing cap

32oz bottle includes pour-spout dispensing cap

64oz bottle includes (1) empty 16oz bottle (1) pour-spout

1-Gallon bottle includes (1) empty 16oz bottle (1) pour-spout



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Specialty Final Polishing Suspensions

AlumaPro Achieve flawless surfaces effortlessly with AlumaPro. This advanced 0.05 micron polycrystalline alumina slurry is perfect for final polishing various materials, including ferrous metals, low melting point alloys, precious metals, carbides, minerals, and electronics. Experience EBSD quality surfaces and unleash unparalleled precision with AlumaPro.

0.05 micron
pH 8.5 - 10.5
20% solids



AlumaPro Polycrystalline Alumina Suspension

Micron	Product	Size	Item Number	Price
0.05	AlumaPro Poly Alumina	16oz (473ml)	APA-16	45
0.05	AlumaPro Poly Alumina	32oz (946ml)	APA-32	80
0.05	AlumaPro Poly Alumina	64oz (1.9L)	APA-64	130
0.05	AlumaPro Poly Alumina	1-Gallon (3.8L)	APA-128	205

16oz bottle includes pour-spout dispensing cap, 32oz bottle includes pour-spout dispensing cap, 64oz bottle includes (1) empty 16oz bottle (1) pour-spout, 1-Gallon bottle includes (1) empty 16oz bottle (1) pour-spout

SilverBullet Experience the power of synergy with SilverBullet. Our unique formula combines the benefits of colloidal silica's chemical contribution and polycrystalline alumina's enhanced mechanical properties. The result? Improved removal rates that redefine polishing performance. Named SilverBullet for its versatility across various materials, this CMP Polishing Suspension is your ultimate solution.

0.05 micron
pH 9.5 - 10
30% solids



SilverBullet Colloidal Silica + Alumina CMP Suspension

Micron	Product	Size	Item Number	Price
0.05	SilverBullet Silica + Alumina	16oz (473ml)	SBS-16	40
0.05	SilverBullet Silica + Alumina	32oz (946ml)	SBS-32	70
0.05	SilverBullet Silica + Alumina	64oz (1.9L)	SBS-64	110
0.05	SilverBullet Silica + Alumina	1-Gallon (3.8L)	SBS-128	150

16oz bottle includes pour-spout dispensing cap, 32oz bottle includes pour-spout dispensing cap, 64oz bottle includes (1) empty 16oz bottle (1) pour-spout, 1-Gallon bottle includes (1) empty 16oz bottle (1) pour-spout



Specimen Cleaning

Cleaning your metallographic specimen after each step in the preparation process is crucial and widely regarded as a best practice. This practice aims to eliminate contamination and ensure accurate and reliable results during the analysis.

Ultrasonic Specimen Cleaner - 1.5L



Capacity: 1.5L (50oz)

Internal Tank Dimensions: 6in x 5.5in x 3.9in (L x W x H)

Overall Dimensions: 7.1in x 6.5in x 8.5in (L x W x H)

Made of 304 stainless steel

Digital Control Panel with 0-30min timer

Power: 110VAC 60Hz

Ultrasonic Frequency: 40kHz

Ultrasonic Power: 60W

Cleaning Supplies

Product	Size	Item Number	Price
Ultrasonic Cleaner 1.5L	Each	USC-1L	150
ElectroClean Solution	32oz [946ml]	UCS-32	20
Wash Bottle 16oz LYOB	Each	WBLY-16	15
Cotton Balls	200ct	CB-200	5



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