

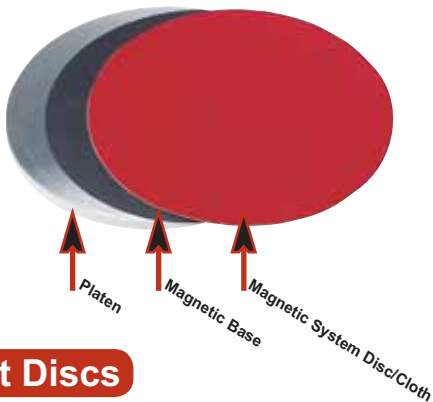
Polishing Cloths

A wide range of woven, non-woven and napped (flocked) polishing cloths are available for fine grinding or coarse, intermediate and final polishing of all materials. They are available either with adhesive backing for standard platens or with magnetic system backing for magnetic platens.

Adhesive: Each disc is secured to an individual, dedicated platen using its adhesive backing. Removal and reapplication of these cloths is discouraged, because it reduces adhesion to the platen. Adhesive backed polishing cloths are an economical choice, though they require that one platen be dedicated to each cloth until it is worn and needs replacement.

Flexible: Each disc features a flexible backing that will adhere to magnetized platen surfaces. Multiple discs can be used with one magnetized platen, reducing the number of platens needed for each procedure, machine, or lab. Flexible backed polishing cloths can be stored in reclosable bags and labeled to prevent cross-contamination.

Rigid: Each disc features a rigid steel backing that will adhere to magnetized platen surfaces. Multiple discs can be used with one magnetized platen, reducing the number of platens needed for each procedure, machine, or lab. Rigid discs are better suited for applications that utilize alcohol based suspensions, slurries, and lubricants, where prolonged polishing times are needed (EBSD), or in high force applications that generate more heat. The backing offers corrosion resistance, high stiffness, and a rounded, burr-free edge for safer handling. Note: *(Not Available on all cloths).*



Support Discs

Stainless steel support discs allow adhesive backed cloths/abrasive discs to be changed quickly and easily when using magnetic platens.

Item	Description
55-50000	Stainless Steel Support Disc, 8" (203 mm)
55-50002	Stainless Steel Support Disc, 10" (254 mm)
55-50005	Stainless Steel Support Disc, 12" (305 mm)

Magnetic System

Magnetic system polishing cloths feature a thin, permanently laminated flexible rubber backing with magnetic properties that adhere to magnetic platens. This easy-to-use system reduces the number of platens required and improves operational efficiency, while offering the same performance as adhesive backed cloths.

Reasons to consider magnetic system:

- ❖ Ease of interchangeability (reduced lifting of heavy platens)
- ❖ Reduced investment (platen cost is minimized)
- ❖ Safety (no sharp edges eliminates cut injuries)
- ❖ Easy to use (tool-free removal)
- ❖ Works with ANY magnetic platen



Magnetic Bases

Adhesive backed magnetic bases adhere to standard platens, allowing any magnetic system product to be utilized.

Item	Description
90-208300	Magnetic Base, 8" (203 mm)
90-208302	Magnetic Base, 10" (254 mm)
90-208305	Magnetic Base, 12" (305 mm)

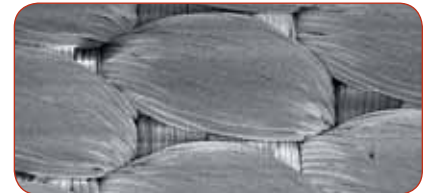
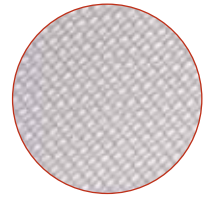
Woven Polishing Cloths

Woven cloths feature low compression, applying effective pressure to the loose abrasive particles for maximum material removal and flatness/planarity. The cross-weave pattern is ideal for fine grinding or coarse and intermediate polishing.

PLAN-Cloth

Very hard, resin-coated, durable, coarse woven polyester for use with diamond (30-6 micron). Produces high material removal rate, and excellent flatness on a variety of materials.

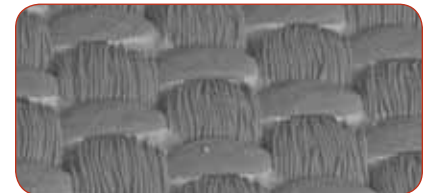
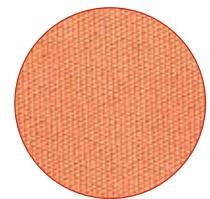
Size	Adhesive (Pk/10)	Flex (Pk/5)	Rigid (Pk/5)
8" (203 mm)	85-150-005	85-500-005	----
10" (254 mm)	85-150-010	85-500-010	----
12" (305 mm)	85-150-015	85-500-015	----
14" (355 mm)	85-150-020	85-500-020	----



PLAN-B

Very hard, resin-coated, dense woven polyester for use with diamond (15-3 micron). Maintains superior edge retention and flatness and provides aggressive material removal for coarse to intermediate polishing of metals, ceramics and refractory materials.

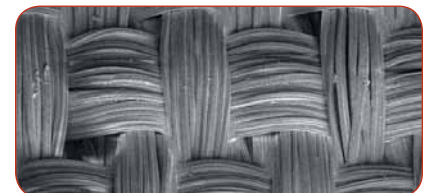
Size	Adhesive (Pk/10)	Flex (Pk/5)	Rigid (Pk/5)
8" (203 mm)	90-150-580	90-500-580	90-700-580
10" (254 mm)	90-150-585	90-500-585	90-700-585
12" (305 mm)	90-150-590	90-500-590	90-700-590
14" (355 mm)	90-150-595	90-500-595	90-700-595



Gold Label

Dense, uniquely woven nylon, extremely durable for use with diamond (15-3 micron). Produces excellent flatness and provides a very high material removal rate on a wide variety of materials. Exceptional for intermediate polishing of refractory metals, glass, ceramics, coatings and composites.

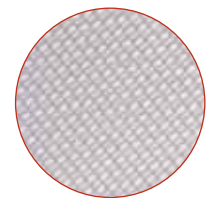
Size	Adhesive (Pk/10)	Flex (Pk/5)	Rigid (Pk/5)
2-7/8"	90-150-208	----	----
8" (254 mm)	90-150-210	90-500-210	90-700-210
10" (305 mm)	90-150-217	90-500-217	90-700-217
12" (355 mm)	90-150-220	90-500-220	90-700-220



Nylon

Woven nylon for use with diamond (15-3 micron). Provides good flatness Z and edge retention for most materials.

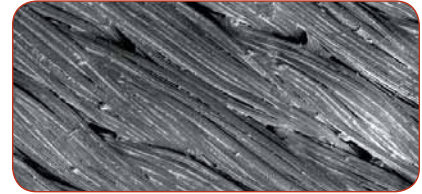
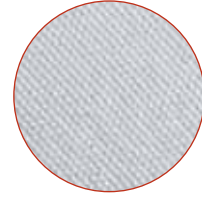
Size	Adhesive (Pk/10)	Flex (Pk/5)	Rigid (Pk/5)
8" (203 mm)	90-150-060	----	----
10" (254 mm)	90-150-066	----	----
12" (305 mm)	90-150-070	----	----



TECH-Cloth

Dense, woven synthetic silk for use with diamond (9-1 micron). Produces very good edge retention and provides excellent finish and flatness. Especially good for coatings and samples composed of materials with varying hardness.

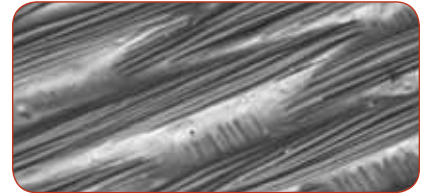
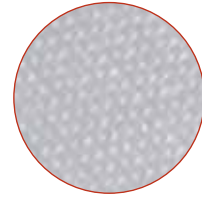
Size	Adhesive (Pk/10)	Flex (Pk/5)	Rigid (Pk/5)
8" (203 mm)	85-150-360	85-500-360	85-700-360
10" (254 mm)	85-150-365	85-500-365	85-700-365
12" (305 mm)	85-150-370	85-500-370	85-700-370
14" (355 mm)	85-150-375	85-500-375	85-700-375



White Label

Very dense, woven, low-nap silk for use with diamond (6-0.25 micron). Provides excellent flatness and edge retention prior to final polishing on a wide variety of materials. Ideal for eliminating pullout in the final polishing steps.

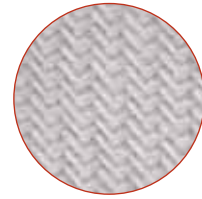
Size	Adhesive (Pk/10)	Flex (Pk/5)	Rigid (Pk/5)
8" (203 mm)	90-150-500	90-500-500	90-700-500
10" (254 mm)	90-150-505	90-500-505	90-700-505
12" (305 mm)	90-150-510	90-500-510	90-700-510
14" (355 mm)	90-150-515	90-500-515	90-700-515



DiaMat

Woven wool with a medium nap and low resilience for use with diamond (6-0.25 micron). Provides very good edge retention and surface finish on a wide variety of materials including metals and polymers.

Size	Adhesive (Pk/10)	Flex (Pk/5)	Rigid (Pk/5)
8" (203 mm)	90-150-550	90-500-550	90-700-550
10" (254 mm)	90-150-555	90-500-555	90-700-555
12" (305 mm)	90-150-560	90-500-560	90-700-560
14" (355 mm)	90-150-565	90-500-565	90-700-565



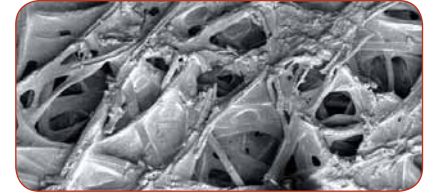
Non-Woven Polishing Cloths

Non-woven cloths feature low compression with softer surfaces, better suited for intermediate and final polishing of soft non-ferrous metals, ferrous alloys and polymers/plastics.

Kempad

Non-woven, very low nap textile for use with diamond (9-1 micron). Provides good removal and flatness on a wide variety of materials.

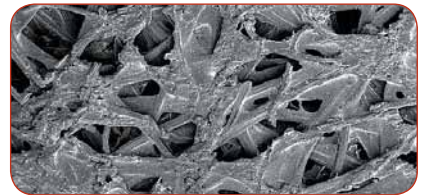
Size	Adhesive (Pk/10)	Flex (Pk/5)	Rigid (Pk/5)
2-7/8"	90-150-003	----	----
8" (203 mm)	90-150-005	90-500-005	----
10" (254 mm)	90-150-015	90-500-015	----
12" (305 mm)	90-150-020	90-500-020	----



Pan-B

Dense, non-woven, planarized textile for use with diamond (6-0.25 micron). Provides good removal rates and edge retention on a wide variety of materials.

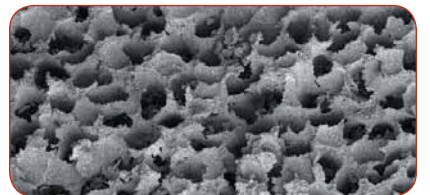
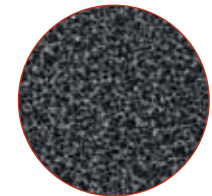
Size	Adhesive (Pk/10)	Flex (Pk/5)	Rigid (Pk/5)
8" (203 mm)	85-150-100	85-500-100	----
10" (254 mm)	85-150-105	85-500-105	----
10" (254 mm)	85-150-110	85-500-110	----



Chem-Pol

Dense, non-woven, low-nap porous polyurethane for chemical/mechanical polishing using colloidal suspensions or alumina. This long-lasting cloth provides an excellent final polish for a wide variety of materials.

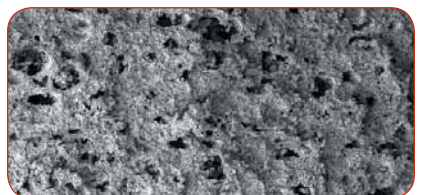
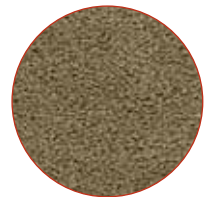
Size	Adhesive (Pk/10)	Flex (Pk/5)	Rigid (Pk/5)
2-7/8"	180-10045	---	---
8" (203 mm)	180-10050	180-10550	---
10" (305 mm)	180-10058	180-10558	---
12" (355 mm)	180-10060	180-10560	---
14" (355 mm)	180-10065	180-10565	---



Final A

High density, non-woven, low-nap porous polyurethane pad for use with diamond (1-0.05 micron), colloidal suspensions or alumina. Excellent for final polishing a wide variety of materials. Especially effective in eliminating smearing and pullout when preparing soft metals such as copper and aluminum, porous structures/materials, or when preparing materials for SEM or TEM evaluation.

Size	Adhesive (Pk/10)	Flex (Pk/5)	Rigid (Pk/5)
8" (203 mm)	180-10005	180-10505	180-10705
10" (254 mm)	180-10010	180-10510	180-10710
12" (305 mm)	180-10012	180-10515	180-10715



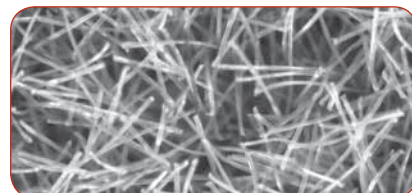
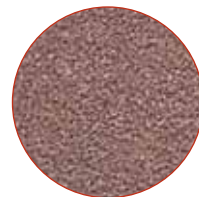
Napped (Flocked) Polishing Cloths

Made from various length fibers and fabric stiffness, they are used for final polishing as the flock pattern "brushes" the sample to clean and remove intermediate and coarse polishing scratches. Stiff/rigid fibers are commonly used for polishing soft metals and materials.

Spec-Cloth

Soft, medium-nap, synthetic rayon flock for use with diamond (1-0.25 micron) or alumina. For general polishing of a wide range of materials.

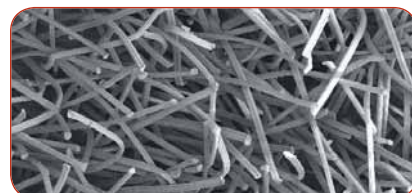
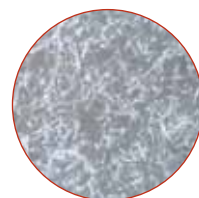
Size	Adhesive (Pk/10)	Flex (Pk/5)	Rigid (Pk/5)
8" (203 mm)	90-150-265	----	----
10" (254 mm)	90-150-285	85-500-285	----
12" (305 mm)	90-150-292	85-500-292	----
14" (355 mm)	90-150-295	85-500-295	----



Vel-Cloth

Soft, medium-low nap synthetic flock for use with diamond (1-0.25 micron) or alumina. Provides very good flatness on a wide variety of materials.

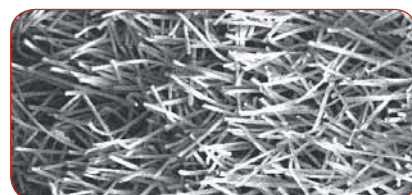
Size	Adhesive (Pk/10)	Flex (Pk/5)	Rigid (Pk/5)
8" (203 mm)	90-150-400	90-500-400	----
10" (254 mm)	90-150-412	90-500-412	----
12" (305 mm)	90-150-410	90-500-410	----



Final B

Soft, low-nap rayon flock for use with diamond (3-0.25 micron) or alumina. Provides excellent finish and flatness, especially with hard materials, ferrous metals and glass.

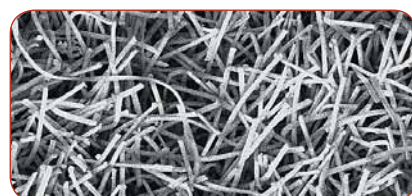
Size	Adhesive (Pk/10)	Flex (Pk/5)	Rigid (Pk/5)
8" (203 mm)	90-150-230	90-500-230	----
10" (254 mm)	90-150-232	90-500-232	----
12" (305 mm)	90-150-235	90-500-235	----



Red Final C

Dense, woven synthetic silk for use with diamond (9-1 micron). Produces very good edge retention and provides excellent finish and flatness. Especially good for coatings and samples composed of materials with varying hardness.

Size	Adhesive (Pk/10)	Flex (Pk/5)	Rigid (Pk/5)
8" (203 mm)	90-150-350	90-500-350	90-700-350
10" (254 mm)	90-150-352	90-500-352	90-700-352
12" (305 mm)	90-150-355	90-500-355	90-700-355



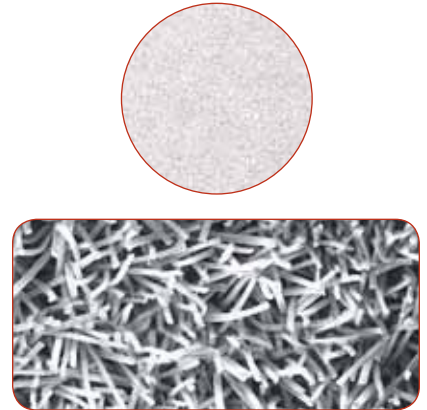
Napped (Flocked) Polishing Cloths

Made from various length fibers and fabric stiffness, they are used for final polishing as the flock pattern "brushes" the sample to clean and remove intermediate and coarse polishing scratches. Stiff/rigid fibers are commonly used for polishing soft metals and materials.

Final P

Very dense, woven, low-nap silk for use with diamond (6-0.25 micron). Provides excellent flatness and edge retention prior to final polishing on a wide variety of materials. Ideal for eliminating pullout in the final polishing steps.

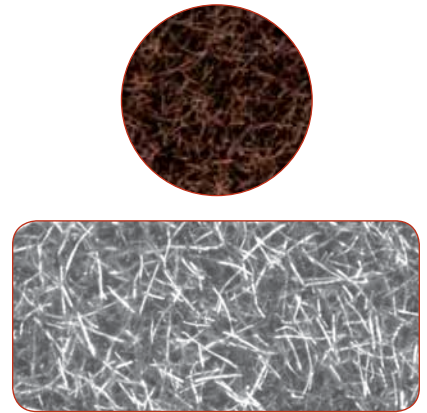
Size	Adhesive (Pk/10)	Flex (Pk/5)	Rigid (Pk/5)
8" (203 mm)	85-150-500	85-500-500	85-700-500
10" (254 mm)	85-150-505	85-500-505	85-700-505
12" (305 mm)	85-150-510	85-500-510	85-700-510



Final-POL

Woven wool with a medium nap and low resilience for use with diamond (6-0.25 micron). Provides very good edge retention and surface finish on a wide variety of materials including metals and polymers.

Size	Adhesive (Pk/10)	Flex (Pk/5)	Rigid (Pk/5)
8" (203 mm)	90-150-705	90-500-705	90-700-705
10" (254 mm)	90-150-710	90-500-710	90-700-710
12" (305 mm)	90-150-715	90-500-715	90-700-715
14" (355 mm)	90-150-720	90-500-720	90-700-720



- **Coarse/Intermediate (30 to 3 μm)**
PLAN, PLAN-B, Gold Label, Nylon, Tech-cloth, White Label, DiaMat, Kempad, Pan-B
- **Intermediate to Final (1 to 0.05 μm)**
White Label, DiaMat, Kempad, Pan-B, Final P, Spec-Cloth, Cloth, Final B, Red Final C, Final-POL
- **Final and CMP (1 to 0.02 μm)**
ChemPol, Final A, Red Final C, Final B, Final P