

Cloth Selection Guide

Cloth Name	Backing	2 7/8" (73mm)	8" (203mm)	8" x 2 1/2" (OD x ID) (203 x 64mm)	10" (254mm)	12" (305mm)
ULTRA-PAD™	PSA	40-7112**	40-7118		40-7120	40-7122
ULTRA-POL™	PSA	40-7442**	40-7448		40-7450	40-7452
NYLON	PSA	40-7052**	40-7068	40-7078	40-7070	40-7072
TEXMET® P	PSA		40-7638*		40-7640*	40-7642*
TEXMET® 2000	PSA	40-7652**	40-7668	40-7678	40-7670	40-7672
TEXMET® 1000	PSA	40-7602**	40-7618	40-7628	40-7620	40-7622
TRIDENT®	PSA		40-7518		40-7520	40-7522
WHITEFELT™	PSA		16-20-02		16-25-02	16-30-02
NANOCLOTH™	PSA		40-7718		40-7720	40-7722
MICROCLOTH®	PSA	40-7212**	40-7218	40-7228	40-7220	40-7222
MICROCLOTH®	Plain		40-7208	40-7238	40-7240	40-7242
MASTERTEX®	PSA	40-7702**	40-7738	40-7748	40-7740	40-7742
CHEMOMET®	PSA	40-7902**	40-7918	40-7928	40-7920*	40-7922

Notes: PSA = Pressure Sensitive Adhesive. Part numbers shown in these rows have backing applied for easy peel off and wrinkle-free installation. **Quantity** is 10 cloths per package for part numbers shown above with the following exceptions: *5 cloths per package, **20 cloths per package. **Part Numbers** listed are the most commonly ordered size and types. For a complete listing of Buehler cloths, please refer to Buehler's Consumable Buyers Guide.

TRIDENT™ Polishing Cloth



TRIDENT™ Polishing Cloth

- A versatile Intermediate to Fine Step cloth applicable for soft to hard specimens
- High cutting rate with reduced deformation
- Utilizes a unique "TD" weave technology
- Durable – Lasts twice as long as other comparable woven synthetics
- Applicable to a wide range of industries, including electronic, aluminum/copper, thermal spray, and steel
- Easy-on, Easy-off PSA backing
- Ideal for use with 9-1µm METADI® and METADI® SUPREME Diamond Suspensions

Buehler continuously makes product improvements; therefore, technical specifications are subject to change without notice. For a complete listing of Buehler Consumable Supplies, please refer to Buehler's Consumables Buyers Guide.

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BUEHLER ANALYST® SECTION 7



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Premium Performance Cloths
for All Materials Applications

Select From Quality Cloths
Engineered for High Removal
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Superior Surface Finishes

Economical Solutions to
Virtually Any Specimen
Preparation Task


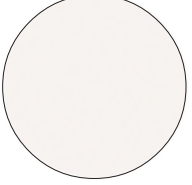
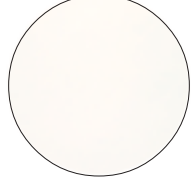
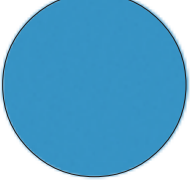
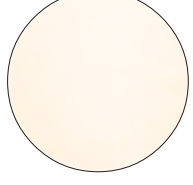
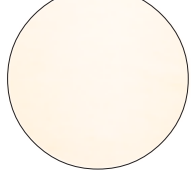
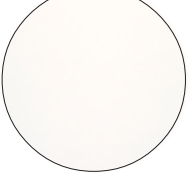
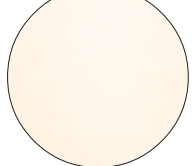
Cloth Selection Made Easy
With Samples, Descriptions,
Applications, and Ordering
Information



Premium Polishing Cloth Selection and Application Guide

Cloth Selection Guide					
Premium Cloths	Recommended Micron Size	Abrasive Types	Cloth Characteristics	Usage Guide	Applications
ULTRA-PAD™	15-3	Diamond	Hard Woven, No Nap with High Material Removal	Used to Replace Multiple SiC Grinding Steps	Ferrous Materials and Thermal Spray Coatings
ULTRA-POL™	15-1	Diamond	Hard Woven, No Nap	Excellent Surface Finish Used to Retain Flatness in Medium to Hard Specimens	Minerals, Coals, and Ceramics, Inclusion Retention in Steels, and Refractory Metals
NYLON	15-1	Diamond	Medium-Hard Woven, No Nap	Used to Retain Flatness and Hard Phases	Ferrous Materials, Sintered Carbides and Cast Irons
TEXMET® P	15-3	Diamond	Hardest Perforated Non-Woven Pad for High Material Removal	Used for Material Removal and Flatness of Hard Specimens	Ceramics, Carbides, Petrographic, Hard Metals, Glass, Metal Matrix Composites
TEXMET® 2000	15-3	Diamond, Al ₂ O ₃	Hard Non-Woven Pad Used for Durability	Used for Harder Specimens and Increased Flatness	Hard Ferrous Materials and Ceramics
TEXMET® 1000	9-0.02	Diamond, Al ₂ O ₃ , SiO ₂	Soft Non-Woven Pad for Surface Finish	Most Popular Cloth for Intermediate Steps, Good for Most Materials	Ferrous and Nonferrous Metals, Ceramics, Electronic Packages, PCB's, Thermal Spray Coatings, Cast Iron, Cermets, Minerals, Composites, Plastics
TRIDENT®	9-1	Diamond	Softer, Durable, Woven Synthetic, No Nap	Used to Maximize Flatness and Retain Phases while Providing Excellent Surface Finish	Ferrous and Nonferrous Metals, Microelectronics, Coatings
WHITEFELT™	6-0.02	Diamond, Al ₂ O ₃ , SiO ₂	Soft and Durable Matted Wool Cloth	General Usage for Intermediate to Fine Steps	Ferrous and Nonferrous Materials
NANOCLOTH™	6-0.02	Diamond, Al ₂ O ₃ , SiO ₂	Synthetic Cloth, Dense Short Nap	Softer Final Polishing Cloth also used with Diamond to Maximize Flatness and Surface Finish	Soft Ferrous and Nonferrous Metals
MICROCLOTH®	5-0.02	Diamond, Al ₂ O ₃ , SiO ₂	Synthetic Cloth, Medium Nap	Most Popular General Usage Final Polishing Cloth	Ferrous and Nonferrous Metals, Ceramics, Composites, PCB's, Cast Irons, Cermets, Plastics, Electronics
MASTERTEX®	1-0.02	Al ₂ O ₃ , SiO ₂	Soft Synthetic Velvet with Low Nap	Softer Final Polishing Cloth	Soft Nonferrous and Microelectronic Packages
CHEMOMET®	1-0.02	Al ₂ O ₃ , SiO ₂	Soft Synthetic Pad, Micro-nap	General Usage Pad that Removes Smear Metal from Tough Materials during Chemomechanical Polishing	Titanium, Stainless Steels, Lead/Tin Solders, Electronic Packages, Soft, Nonferrous Metals, Plastics

BUEHLER® Polishing Cloths

	ULTRA-PAD™ Hard, woven cloth; aggressive material removal of harder materials during intermediate steps.		TRIDENT® Soft durable, synthetic woven cloth for rough and fine polishing; used for soft to hard materials, including thermal sprays and electronic components during intermediate to fine steps.
	ULTRA-POL™ Hard, woven, non-aggressive, silk cloth; efficient polishing for most medium to hard materials during intermediate to fine steps.		WHITEFELT™ Soft and durable matted wool cloth for the intermediate to fine Steps used with ferrous and nonferrous materials.
	NYLON Medium-hard, woven cloth for polishing of medium-hard materials during intermediate to fine steps.		NANOCLOTH™ Synthetic cloth with dense short-nap used for the intermediate to fine steps to maximize flatness on soft materials and give excellent surface finish.
	TEXMET® P Hardest, perforated version of the TEXMET® non-woven pads; recommended for hard, brittle or ceramic materials during intermediate steps.		MICROCLOTH® Soft, versatile, long-napped, synthetic rayon cloth for the intermediate to fine steps of most metals and alloys.
	TEXMET® 2000 Harder, more durable TEXMET® non-woven pad; recommended for harder materials during intermediate steps; used when cloth life is highly desirable.		MASTERTEX® Softer, short-napped, synthetic velvet cloth for the fine step of soft materials.
	TEXMET® 1000 Softest TEXMET® non-woven pad; used for surface finish; general usage cloth for most applications and materials during intermediate to fine steps.		NEW CHEMOMET® Soft, porous, chemical-resistant, synthetic pad for softer materials in the fine step.