

Quality at Work
Polishing Cloth Guide

premium performance
cloths for all materials
applications

select from quality cloths
engineered for high removal
rates, long life, and superior
surface finished

economical solutions
to virtually any specimen
preparation task

cloth selection made easy
with samples, descriptions,
applications, and ordering
information



BUEHLER

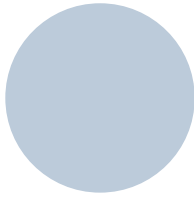
Excellent Results. Easily Repeatable.™

Cloth	Usage Guide	Recommended Micron Size	Abrasive Type	Applications
UltraPad™	Used to replace multiple SiC grinding surfaces	6µm & Up	Diamond	Ferrous materials and thermal spray coatings
UltraPol™	Excellent surface finish, used to retain flatness in medium to hard specimens	6µm & Up	Diamond	Minerals, coals, ceramics, inclusion, retention in steels, and refractory metals
Nylon	Used to retain flatness and hard phases	6µm & Up	Diamond	Ferrous materials, sintered carbides and cast irons
TexMet® P	Used for material removal and flatness of hard specimens	6µm & Up	Diamond	Ceramics, carbides, petrographic, hard metals, glass, and metal matrix composites
TexMet® C	Most popular cloth for intermediate steps	15-0.02µm	Diamond Al ₂ O ₃ , SiO ₂	Ferrous and nonferrous metals, ceramics, electronic packages, PCB's, thermal spray coatings, cast irons, ceremets, minerals, composites, plastics
TriDent™	Used to maximize flatness and retain phases while providing excellent surface finish	15-0.02µm	Diamond	Ferrous and nonferrous metals, microelectronics, coatings
VerduTex	Used for rough and final polishing	9-1µ	Diamond	Ferrous and nonferrous composite material and plastic (CFK, GFK)
VelTex	Ideal for final polishing	9-1µ	Diamond	Steel, nonferrous and soft metals
WhiteFelt®	General usage for intermediate to fine steps	6-0.02µ	Diamond Al ₂ O ₃ , SiO ₂	Ferrous and nonferrous metals
PoliCloth	General usage	6-1µ	Diamond	Cast iron, copper and aluminum alloys, coal and other soft metals
MicroCloth®	Most popular general usage final polishing cloth	5-0.02µm	Diamond Al ₂ O ₃ , SiO ₂	Ferrous and nonferrous metals, ceramics, composites, PCBs, cast irons, cermet, plastics, electronics
MicroFloc	Good results when used with unmounted specimen	0.06µm-0.02µm	Al ₂ O ₃ , SiO ₂	Ferrous and nonferrous materials
MasterTex®	Softer final polishing finish	1-0.05µm	Al ₂ O ₃ , SiO ₂	Soft nonferrous and microelectronic packages
ChemoMet®	General usage cloth that removes smear metal from tough materials during chemomechanical polishing	1-0.02µm	Al ₂ O ₃ , SiO ₂	Titanium, stainless steel, lead/tin, solders, electronic packages, soft nonferrous metals, plastics

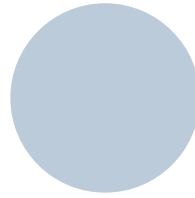
COARSE

INTERMEDIATE

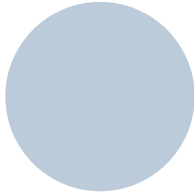
FINE



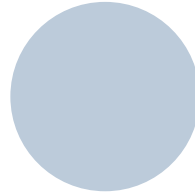
UltraPad™
Hard woven, no nap with high material removal



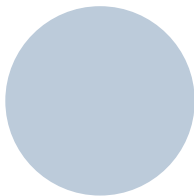
UltraPol™
Hard woven, nonaggressive silk cloth; efficient polishing for most medium to hard materials



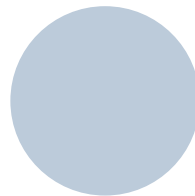
Nylon
Oil resistant, medium hard woven, no nap



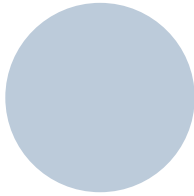
TexMet® P
Hard perforated, non-woven cloth



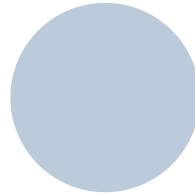
TexMet®
Non-woven pressed cloth



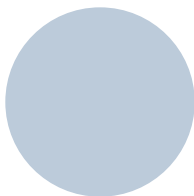
Trident™
Soft, durable, synthetic woven cloth, no nap



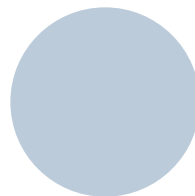
VerduTex
Durable, medium hard synthetic silk cloth



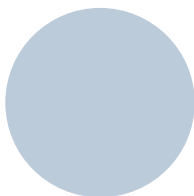
VelTex
Short napped synthetic velvet cloth



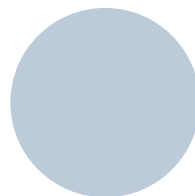
WhiteFelt®
Soft, durable matted wool cloth



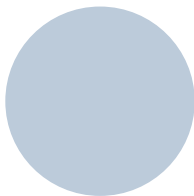
PoliCloth
Medium hard, woven wool cloth



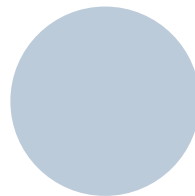
MicroCloth®
Soft, versatile, long napped synthetic rayon cloth



MicroFloc
Soft, long napped cloth for final polishing applications



MasterTex®
Soft synthetic velvet with low nap



ChemoMet®
Soft, porous, chemically resistant, synthetic cloth

SO - Special Order Items may have lead times and minimum orders

		2 7/8" (73mm) Diameter, Qty. 20	8" (203mm) Diameter, Qty. 10	10" (254mm) Diameter, Qty. 10	12" (305mm) Diameter, Qty. 10
	Premium Cloths, PSA Backed				
Coarse	UltraPad™	40-7112* ^{SO}	40-7118	40-7120	40-7122
	UltraPol™	40-7442* ^{SO}	40-7448	40-7450	40-7452
	Nylon	40-7052	40-7068	40-7070	40-7072
	TexMet® P (Qty. 5)		40-7638	40-7640* ^{SO}	40-7642
Intermediate	TexMet® C	40-1102	40-1108	40-1110	40-1112
	TriDent™	40-7502	40-7518	40-7520	40-7522
	VerduTex		40-8018	40-8020* ^{SO}	40-8022
	VelTex		40-8218	40-8220* ^{SO}	40-8222
	WhiteFelt® (Qty. 5)		16-2002	16-2502* ^{SO}	16-3002* ^{SO}
	PoliCloth		40-8418	40-8420	40-8422
Fine	MicroFloc		40-7218* ^{SO}	40-8320* ^{SO}	40-8322* ^{SO}
	MicroCloth®	40-7212	40-7218	40-7220	40-7222
	MasterTex®	40-7702	40-7738	40-7740	40-7742
	ChemoMet®	40-7902	40-7918	40-7920	40-7922

*SO part numbers only apply when ordering within the United States.

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 our Consumables Buyers Guides.



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