



BUEHLER

Polishing Cloth Guide

premium performance
cloths for all materials
applications

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

economical solutions
to virtually any specimen
preparation task

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

Cloth	Usage Guide	Recommended Micron Size	Abrasive Type	Applications	
UltraPad™	Used to replace multiple SiC grinding steps	6µm & Up	Diamond	Ferrous materials and thermal spray coatings	COARSE
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®	General purpose 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, cermets, minerals, composites, plastics	INTERMEDIATE
TriDent™	Used to maximize flatness and retain phases while providing excellent surface finish	9-1µm	Diamond	Ferrous and nonferrous metals, microelectronics, coatings	
VerduTex	Used for rough and final polishing	9-1µm	Diamond	Ferrous and nonferrous composite material and plastic (CFK, GFK)	
VelTex	Ideal for intermediate and final polishing	9-1µm	Diamond Al ₂ O ₃	Steel, nonferrous and soft materials	
WhiteFelt®	General usage for intermediate to fine steps	6-0.02µm	Diamond Al ₂ O ₃ , SiO ₂	Ferrous and nonferrous metals	
PoliCloth	General usage	6-1µm	Diamond	Cast iron, copper and aluminum alloys, coal and other soft materials	
MicroCloth®	Most popular general usage final polishing cloth	5-0.02µm	Diamond Al ₂ O ₃ , SiO ₂	Ferrous and nonferrous metals, ceramics, composites, PCB's, cast irons, cermets, plastics, electronics	FINE
MicroFloc	Good results when used with unmounted specimens	0.06µm - 0.02µm	Al ₂ O ₃ , SiO ₂	Ferrous and nonferrous materials	
MasterTex®	Softer final polishing cloth	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 steels, lead/tin, solders, electronic packages, soft nonferrous metals, plastics	

**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

Premium Cloths, PSA-Backed

2 7/8" (73mm) Diameter,
Qty. 20

8" (203mm) Diameter,
Qty. 10

10" (254mm) Diameter,
Qty. 10

12" (305mm) Diameter,
Qty. 10

Coarse

UltraPad™

40-7112SO*

40-7118

40-7120

40-7122

UltraPol™

40-7442SO*

40-7448

40-7450

40-7452

Nylon

40-7052

40-7068

40-7070

40-7072

TexMet® P

40-7638

40-7640

40-7642

TexMet®

40-1002

40-1008

40-1010

40-1012

TriDent™

40-7502

40-7518

40-7520

40-7522

VerduTex

40-8018

40-8020SO*

40-8022

VelTex

40-8218

40-8220SO*

40-8222SO*

WhiteFelt®

16-2002

16-2502SO*

16-3002SO*

PoliCloth

40-8418

40-8420

40-8422

MicroFloc

40-8318SO*

40-8320SO*

40-8322SO*

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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XM0X07 FN00889

*For metallurgical consumables produced by BUEHLER



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