



BUEHLER

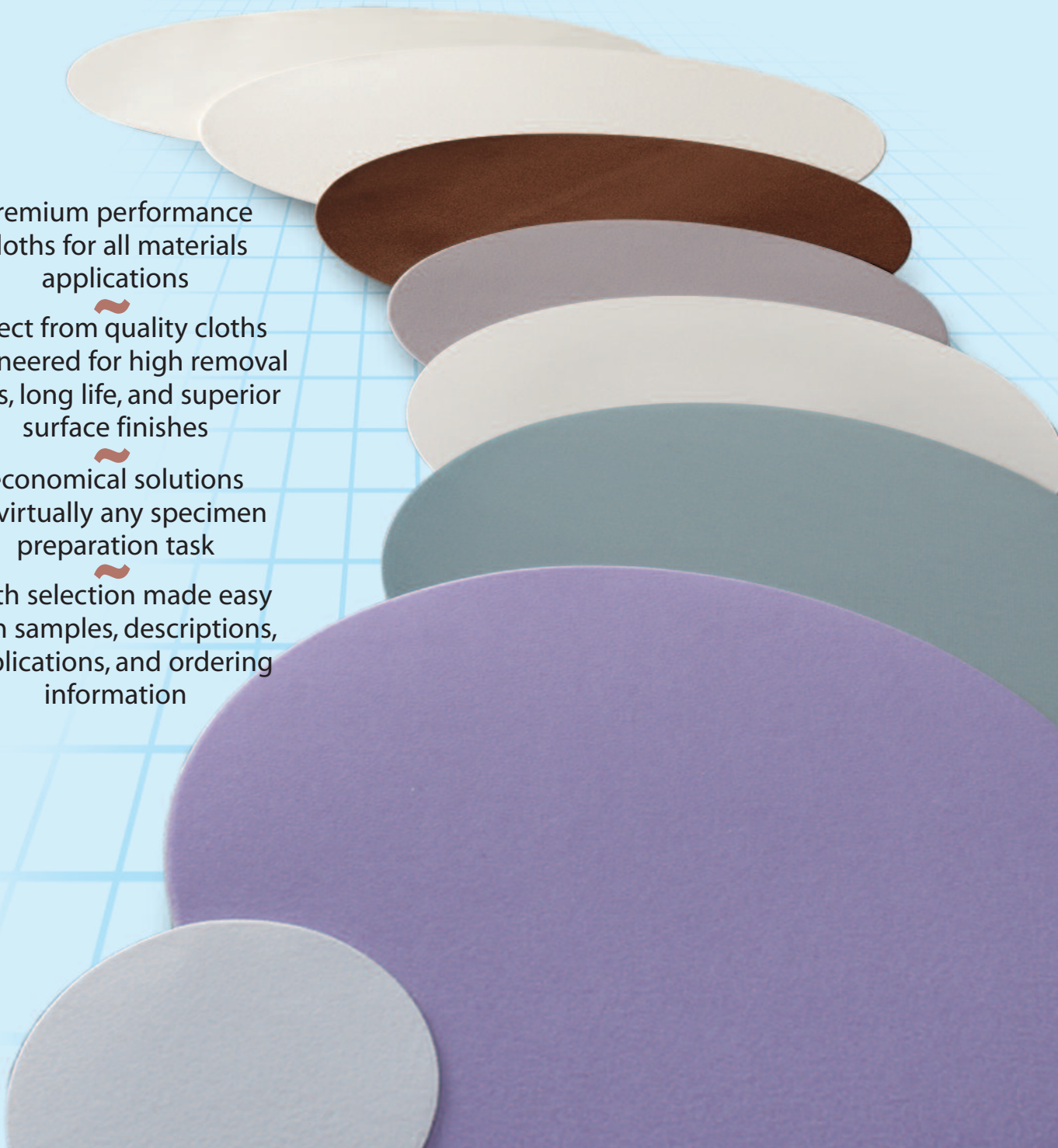
Polishing Cloth Guide

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

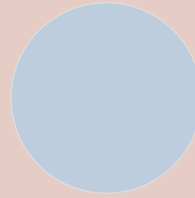
cloth selection made easy
with samples, descriptions,
applications, and ordering
information



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®	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, 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 final polishing	9-1µm	Diamond	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 specimen	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	



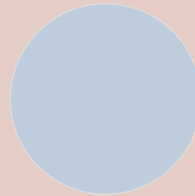
UltraPad™
Hard woven, no nap with
high material removal



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



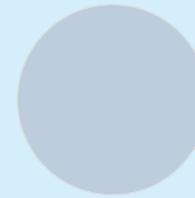
VerduTex
Durable, medium hard synthetic
silk cloth



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

Intermediate

Fine

UltraPad™	40-711250	40-7118	40-7120	40-7122
UltraPol™	40-744250	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



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.



BUEHLER

BUEHLER, a division of Illinois Tool Works Inc.
– Worldwide Headquarters
 41 Waukegan Road • P.O. Box 1
 Lake Bluff, Illinois 60044-1699 USA
 Tel: (847) 295-6500 • Fax: (847) 295-7979
 Sales: 1-800-BUEHLER (1-800-283-4537)
 www.buehler.com
 Email: info@buehler.com

BUEHLER GMBH - European and MESA Headquarters
 In der Steele 2 • 40599 Düsseldorf
 Postfach 16 03 55 • 40566 Düsseldorf
 Telefon: (49) 211 974100 • Telefax: (49) 211 9741079
 www.buehler-met.de
 Email: info@buehler-met.de

BUEHLER FRANCE
 Téléphone: 0800 89 73 71
 Télécopie: 0800 88 05 27
 www.buehler.fr
 Email: info@buehler.fr

BUEHLER UNITED KINGDOM
 Telephone: 0800 707 6273
 Fax: 0800 707 6274
 www.buehler.co.uk
 Email: sales@buehler.co.uk

BUEHLER CANADA
 10 Carlow Court, Unit #2
 Whitby, Ontario L1N 9T7
 Telephone: (905) 430-4684
 Fax: (905) 430-4647
 Sales Telephone: 1-800-268-3593
 Email: info@buehler.ca

BUEHLER, ASIA-PACIFIC
 5/F Vogue Centre
 696 Castle Peak Road
 Lai Chi Kok, Kowloon
 Hong Kong, SAR, China
 Telephone: (852) 2307 0909
 Fax: (852) 2307 0233