



TENCATE
Gemini XTL™
 WITH MATRIX® TECHNOLOGY

PROPERTIES	
Nominal Weight	6.0 osy (205 gsm)
Fabric Content	PBI & para-aramid fibers
Weave	Modified Plain Weave
Colors	Dark Navy
Finish	Durable Water Repellant (DWR)
Made in America	Yes

STRENGTH / DURABILITY		
Trap Tear ASTM 5587, NFPA 1971 (WARP X FILL)	Initial	37 x 32 lbf (165 x 142 N)
	5x after wash	33 x 30 lbf (147 x 133 N)
Tensile Strength ASTM m5034 (WARP X FILL)	Initial	307 x 341 lbf (1,365 x 1,516 N)
	10x after wash	343 x 316 lbf (1,525 x 1,405 N)
Laundry Shrinkage 140°F Cotton Sturdy		2.5% x 1.1%

THERMAL TESTING		
Flame Resistance ASTM D6413, NFPA 1971 CHAR LENGTH (WARP X FILL)	Initial char length	0.7 x 0.8 in (17.5 x 20 mm)
	5x after wash	0.8 x 0.8 in (20 x 20 mm)
	After flame	0 seconds
Thermal Shrinkage NFPA 1971-2013	Initial	< 2.5%
	5x after wash	< 3%

WATER RESISTANCE		
Water Absorption AATCC 42	Initial	< 2.0%
	5x after wash	< 5.0%



6501 Mall Boulevard
 Union City, Georgia 30291 USA
 +1 (770) 969-1000
TenCateFabrics.com

TenCateFabrics.com/Facebook
TenCateFabrics.com/Twitter
TenCateFabrics.com/YouTube
TenCateFabrics.com/LinkedIn

All listed data represent typical values. Results from multiple tests unless otherwise stated. To the best of our knowledge, all information contained herein is accurate. TenCate Protective Fabrics USA assumes no liability whatsoever for the accuracy or completeness of the information contained herein. Users of any substance must satisfy themselves by independent investigation that the material can be used safely. TenCate Protective Fabrics describes only certain hazards but cannot guarantee these are the only hazards.

Copyright © 2014 TenCate Protective Fabrics USA. TenCate is a trademark of Royal Ten Cate. Kombat is a registered trademark of TenCate Protective Fabrics USA.

Data-Sheet—GeminiXTL.pdf | Version 10232015A