



TENCATE Kombat Flex™

PROPERTIES		
Nominal Weight	6.9 osy (235 gsm)	
Fabric Content	PBI® & DuPont™ Kevlar® (Kevlar Filament Reinforced)	
Weave	Twill	
Colors	Natural Gold & High-Resolution Black	
Finish	Super Shelltite™	
Made in America	Yes	
Certifications	NFPA 1971	
COMPOSITE TESTING		
TPP NFPA 1971 UL CERTIFIED RESULTS USING GORE® CROSSTECH® BLACK MOISTURE BARRIER	Quantum 4™ i	41 - 43
	Quantum3D® SL2i	43 - 45
	Defender® M SL2	42 - 44
	Caldura® SL2i	39 - 41
THL NFPA 1971 UL CERTIFIED RESULTS USING GORE® CROSSTECH® BLACK MOISTURE BARRIER	Quantum 4™ i	250 - 270
	Quantum3D® SL2i	245 - 265
	Defender® M SL2	205 - 225
	Caldura® SL2i	245 - 265
STRENGTH / DURABILITY		
Taber Abrasion	2,500 cycles	
Trap Tear ASTM 5587, NFPA 1971 (WARP X FILL)	Initial	60 x 60 lbf (265 x 265 N)
	5x after wash	55 x 55 lbf (245 x 245 N)
Tensile Strength ASTM m5034 (WARP X FILL)	Initial	275 x 275 lbf (1,220 x 1,220 N)
	10x after wash	270 x 270 lbf (1,200 x 1,200 N)
THERMAL TESTING		
Flame Resistance ASTM D6413, NFPA 1971 CHAR LENGTH (WARP X FILL)	Initial char length	0.2 x 0.2 in (5x5 mm)
	5x after wash	0.4 x 0.4 in (10 x 10 mm)
	After flame	0 seconds
Thermal Shrinkage NFPA 1971-2013	Initial	< 1.5%
	5x after wash	< 2.5%
WATER RESISTANCE		
Water Absorption AATCC 42	Initial	< 2.0%
	5x after wash	< 5.0%



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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.

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Data-Sheet—Kombat-Flex.pdf | Version 11072014A