



## TENCATE Advance™

PROPERTIES		
Nominal Weight	7.2 osy (245 gsm)	
Fabric Content	DuPont™ Kevlar® & DuPont™ Nomex®	
Weave	Ripstop	
Colors	Khaki, Yellow, Gold, Navy Blue, Spruce & Black	
Finish	Super Shelltite™	
Made in America	Yes	
Certifications	NFPA 1971, 1977	
COMPOSITE TESTING		
TPP NFPA 1971 UL CERTIFIED RESULTS USING GORE® CROSSTECH® BLACK MOISTURE BARRIER	Quantum 4™ i	N/A
	Quantum3D® SL2i	44 - 46
	Defender® M SL2i	45 - 47
	Caldura® SL2i	40 - 42
THL NFPA 1971 UL CERTIFIED RESULTS USING GORE® CROSSTECH® BLACK MOISTURE BARRIER	Quantum 4™ i	pending
	Quantum3D® SL2i	230 - 250
	Defender® M SL2i	250 - 270
	Caldura® SL2i	240 - 260
STRENGTH / DURABILITY		
Taber Abrasion	3,500 cycles	
Trap Tear ASTM 5587, NFPA 1971 (WARP X FILL)	Initial	40 lbf x 35 lbf (175 N x 155 N)
	5x After Wash	35 lbf x 30 lbf (175 N x 155 N)
Tensile Strength ASTM m5034 (WARP X FILL)	Initial	320 lbf x 280 lbf (1,420 N x 1,245 N)
	10x After Wash	270 lbf x 250 lbf (1,200 N x 1,110 N)
THERMAL TESTING		
Flame Resistance ASTM D6413, NFPA 1971 CHAR LENGTH (WARP X FILL)	Initial char length	0.2 in x 0.2 in (5 x 5 mm)
	5x after wash	0.6 in x 0.6 in (15 mm x 15 mm)
	After flame	0 seconds
Thermal Shrinkage NFPA 1971-2013	Initial	< 2.0%
	5x after wash	< 1.0%
WATER RESISTANCE		
Water Absorption AATCC 42	Initial	< 2.0%
	5x after wash	< 1.0%



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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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