

- Economical
- Field proven performance
- NFPA compliant
- Available in a wide range of colors and weaves



PHYSICAL PROPERTIES

Fiber Blend:	93% Nomex® / 5% Kevlar® / 2% P-140 (anti-static)
Weight:	7.5 oz (sq yd)
Weave:	Plain (7.0 oz twill also available)
Color Availability:	Black, Navy, Red, Yellow, Tan, Blue, Natural (Ivory)
Finish:	Shelltite™

	Defender™	NFPA 1971-2000 Edition Requirement	
Degradation Temperature (°F)	700		
Trapezoidal Tear Strength (lbs) ASTM D5733			
Initial (w x f)	65 x 50	22.0 min	
After 5 launderings (w x f)	55 x 40		
Tensile Strength (lbs) ASTM D1682			
Initial (w x f)	275 x 265	140.0 min	
After 5 launderings (w x f)	275 x 245		
Thermal Protective Performance (cal/cm²) NFPA 1971-2000			
TPP with Crosstech® Type 2c, Caldura®	40-43	35.0 min	
TPP with ComfortZone™, Caldura®	35-38		
Tensile Strength (lbs) after 7-second TPP Exposure (2.0 cal/cm²-sec) (w x f)	43 x 41		
Water Absorption Resistance (%) FTMS 191A-5504			
Initial	0.4	30.0 max	
After 5 launderings	11.2		
Vertical Flammability FTMS 5903.1	Initial	After 5 launderings	
Char Length in inches (w x f)	1.9 x 1.8	2.3 x 1.3	4.0 max
After Flame in seconds (w x f)	0.0 x 0.0	0.0 x 0.0	2.0 max
Laundry Shrinkage (%) AATCC 135			
After 5 launderings (cotton sturdy cycle) (w x f)	2.5 x 3.0	5.0 max	
Thermal Shrinkage (%) NFPA 1971-2000			
500°F at 5 minutes (w x f)	0.8 x 1.0	10.0 max	
After 5 launderings (w x f)	0.9 x 1.0		



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