



# Defender M<sup>®</sup>

WOVEN FABRIC



PROPERTIES	RIPSTOP	TWILL
Fabric Nominal Weight	6.5 osy (220 gsm)	6.8 osy (230 gsm)
Fabric Weave	Ripstop	Twill
Fiber Blend	Lenzing FR® Rayon, Para-Aramid & Nylon	Lenzing FR® Rayon, Para-Aramid & Nylon
Made in America	Yes	Yes
THERMAL PROTECTION	RIPSTOP	TWILL
Thermal Shrinkage NFPA 1971-2007	-7.0% x -3.5%	-7.0% x -6.0%
Thermal Protective Performance (TPP) With Spacer Without Spacer NFPA 2112	10 12	10 12
Flame Resistance Before Laundering		
100x After Wash		
After Flame	0 sec	0 sec
After Glow	3 sec x 3 sec	3 sec x 3 sec
Char Length	2 in x 2 in	2 in x 2 in
Melt / Drip	None	None
After Flame	0 sec	0 sec
After Glow	3 sec x 3 sec	3 sec x 3 sec
Char Length	3 in x 2.5 in	3 in x 2.5 in
Melt / Drip	None	None
STRENGTH / DURABILITY	RIPSTOP	TWILL
Dimensional Stability AATCC135, 3, V, Aiii	< 2.5% x 2.5%	< 3.5% x 3.5%
Breaking Strength ASTM D 5034	160 lbf x 115 lbf	175 lbf x 125 lbf
Tearing Strength ASTM D 1424	19 lbf x 17 lbf	16 lbf x 14 lbf
COMFORT	RIPSTOP	TWILL
Air Permeability ASTM 3787	> 30.0 ft <sup>3</sup> /ft <sup>2</sup> /min	> 30.0 ft <sup>3</sup> /ft <sup>2</sup> /min



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.

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