



# CHAPMAN | innovations

thermal textile solutions

Product Name

Item No.

<b>CARBON X C-11</b> Armor Twill Weave	222011-100-002-001
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## Summary Data

Test	Score
TPP - NFPA 1971-2000	12.50
Thickness (mls)	33.00
Weight - ASTM D 3776 - oz/yd <sup>2</sup>	11.00
Weight - ASTM D 3776 - gm/m <sup>2</sup>	373
Martindale Abrasion - ASTM D 4966	24500.00
VF - After Flame - ASTM D6413-1999	0.00
VF - After Glow - ASTM D6413-1999	0.00
VF - Char Length - ASTM D6413-1999 - Length	0.33
VF - Char Length - ASTM D6413-1999 - Width	0.31
Thermal Shrinkage (% , W+L)	4.00%
Thermal Shrinkage (% Consumption)	4.00%
<b>Miscellaneous test data</b>	
Breaking Strength - ASTM D5034-1995 (lbs)	
Elongation at Peak Force -ASTM D5034-1995 (%)	Length 291.21 Width 213.44
Dimensional Stability - AATCC 135	Length 22.0% Width 15.3%
Seam Strength - ASTM D1683 (lb)	Length 0.0% Width 0.0%
Arc Rating (ATPV) - cal/cm <sup>2</sup> - ASTM F1959-1999 Arc Rating	ATPV 14.9

TPP - Thermal Protective Performance

VF - Vertical Flame