

## XR-5<sup>®</sup>-8130- Specification

TEST	UNIT	XR 5	TEST METHOD
Thickness	mm	0.76 Minimum	ASTM D751
Weight	g/m <sup>2</sup>	1017 ± 70	ASTM D751
Tear Strength	N	155/155 Minimum	ASTM D751 Trapezoid Tear
Breaking yield Strength	N	2447/2447 Minimum	ASTM D751 Grab Tensile Procedure A
Cold Crack	°C	Pass @-34	ASTM, D2136 1/8" Mandrel, 4hrs.
Dimensional Stability	%	1.5 Maximum each direction	ASTM D1204 100°C – 1 Hr
Bursting Strength	N	2892 Minimum	ASTM D7851 Ball Tip
Hydrostatic Resistance	MPa	5.51 Minimum	ASTM D751 Method A
Abrasion Resistance	Cycles	2000(min) before fabric exposure,50 mg/100cycles max weight loss	ASTM D3389 H-18 wheel 1000g Load
Weathering Resistance	Hrs	8000 ( min) complete	ASTM G153 (Xenon)
Water Absorption	Kg/m <sup>2</sup>	0.028Max@21°C 0.14Max@100°C	ASTM D471 Section 12 , 7 Days
Wicking	Cm	0.3 Maximum	ASTM D471
Puncture Resistance	N	1110 Minimum	ASTM D4833
Puncture Resistance	N	1550 Minimum	Fed-Std-10C Method 2031
Coefficient of Thermal Expansion/Contraction	Cm/Cm/°C	1.4 x 10 <sup>-5</sup> Maximum	ASTM D696

### Notes

**Fabrication:** Thermal welding methods are recommended. No glues or solvents are suggested.