

XR-5[®]-8130- Specification

TEST	UNIT	XR 5	TEST METHOD
Thickness	mm	0.76 Minimum	ASTM D751
Weight	g/m ²	1017 ± 70	ASTM D751
Tear Strength	N	175/245 Minimum	ASTM D4533 Trapezoid Tear
Breakingyeild Strength	N	2448/2448 Minimum	ASTM D751 Grab Tensile Procedure A
Cold Crack	°C	Pass @-34	ASTM, D2136 1/8" Mandrel, 4hrs.
Dimensional Stability	%	0.5 Maximum each direction	ASTM D1204 100°C – 1 Hr
Bursting Strength	N	3330 Minimum	ASTM D751 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 (Carbon-Arc)
Water Absorption	Kg/m ²	0.025Max@21°C 0.14Max@100°C	ASTM D471 Section 12 , 7 Days
Wicking	Cm	0.3 Maximum	ASTM D471
Puncture Resistance	N	1200 Minimum	ASTM D4833
Coefficient of Thermal Expansion/Contraction	Cm/Cm/°C	1.4 x 10 ⁻⁵ Maximum	ASTM D696

Notes

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