XR-5®-8130- Specification

High Performance Reinforced EIA Geomembrane

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 D751 Trapezoid Tear
Breaking yield Strength	N	2447/2447 Minimum	ASTM D751 Grab Tensile Procedure A
Cold Crack	^0C	Pass @-34	ASTM, D2136 1/8" Mandrel, 4hrs.
Dimensional Stability	%	0.5 Maximum each direction	ASTM D1204 100^0C – 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 (Xenon) Carbon Arc
Water Absorption	Kg/m^2	$0.025Max@21^0C$ $0.14Max@100^0C$	ASTM D471 Section 12 , 7 Days
Wicking	Cm	0.3 Maximum	ASTM D751
Puncture Resistance	N	1200 Minimum	ASTM D4833
Puncture Resistance	N	1550 Minimum	Fed-Std-10C Method 2031
Coefficient of Thermal Expansion/Contraction	$Cm/Cm/^0C$	1.4×10^{-5} Maximum	ASTM D696

Notes

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

Issue 4 – April 09

PAGeotechnical Ltd.
Email: office@pageo.co.uk Web: www.pageo.co.uk