



TECHNICAL DATA SHEET

Geomembrane PVC Smooth

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PROPERTY	TEST METHOD ††††	UNIT Metric	Solmax 240-0000 PVC-40-000
CERTIFIED PROPERTIES †			
Thickness (Nominal ±5%)	ASTM D-5199	mm	1.00
Tensile Properties (min. avg. MD & TD)	ASTM D-882		
Strength at Break		kN/m	17.0
Elongation at Break		%	430
Modulus at 100%		kN/m	7.0
Tear Resistance (min. avg.)	ASTM D-1004	N	44
Dimensional Stability	ASTM D-1204	%	3
Weight	-	kg/sm	1.33
Low Temperature Impact (pass)	ASTM D-1790	°C	-29
INDEX PROPERTIES ††			
Specific gravity (typical)	ASTM D-792	g/cc	1.20
Water Extraction (max. loss)	ASTM D-1239	%	0.20
Average Plasticizer Molecular Weight (g/mole)	ASTM D-2124		400
Volatile Loss (max. loss)	ASTM D-1203	%	0.5
Soil Burial (max. chg.)	ASTM G-160		
Break Strength		%	5
Elongation at Break		%	20
Modulus at 100%		%	20
Hydrostatic Resistance (min.)	ASTM D-751	kPa	830
GENERAL INFORMATION †††			
Color	-		Grey (Gris)
Surface	-		Smooth (Lisse)
Panel Width Multiples	-	m	2.16
FACTORY SEAM STRENGTHS			
Shear Strength (min.avg.)	ASTM D-6392	kN/m	14
Peel Strength (min. avg.)	ASTM D-6392	kN/m	2.6

NOTES

†. Certified properties are tested once per lot, or once every 40,000 lbs of material (18,000 kg), whichever is more frequent. Tensile properties : 1" wide samples, 95 psi line pressure and 360 kgf (809 lbf) clamping force.

††. Index properties are tested once per formulation. A certified statement of the test results for the formulation is to be made available to the customer on request.

†††. Custom panel sizes are available and panel dimensions may vary ± 1%.

††††. Modifications or further details of test are described in PGI 1104 Appendix B or ASTM D 7176 standard.

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