

TM530-XR5

TECHNICAL DATASHEET

Geomembrane (GMB) type	High resistance geocomposite
Composition	Coated polyester
Main function	Waterproofing

Property	Test Method	Metric
Physical		
Thickness ⁽¹⁾	ASTM D751	0.76 mm (30 mils)
Reinforcement composition	ASTM D751	Polyester
Reinforcement weight ⁽¹⁾	ASTM D751	220 g/m ²
Geocomposite weight ⁽¹⁾	ASTM D751	1 017 g/m ² ± 65 g/m ²
Dimensional stability	ASTM D1204	0.5% max. à 100°C-1h
Wicking	ASTM D751	0.3 cm max
Low temperature resistance	ASTM 2136	Pass at -34°C (4h mandrel 3.175 mm)
Coefficient of thermal expansion	ASTM D696	1.4 x 10 ⁻⁵ cm/cm/°C
Water absorption	ASTM D471 Section 12	0.025 kg/m ² @ 21°C - 7 days
		0.14 kg/m ² @ 100°C - 7 days
Mechanical		
Tear strength (MD / CD)	ASTM D751	175 / 245 N
Breaking yield strength (MD / CD)	ASTM D751	2 448 / 2 448 N
Bursting strength	ASTM D751	3 330 N
Puncture resistance	ASTM D4833	1 200 N
	FTMS 101C Method 2031	± 1 550 N
Hydrostatic resistance	ASTM D751 Methode A	5.51 Mpa
Adhesion-ply	ASTM D413 Type A	26 N/cm or film tearing bond
Abrasion resistance	ASTM D3389	2000 cycles (H-18 wheel, 1kg load) before fabric exposure, 50 mg/100 cycles max.
Weather resistance	ASTM G153	8000 hours with no appreciable change or stiffening or cracking of coating
Seams		
Dead load seam strength	ASTM D75	Pass 420 N/cm @ 21°C - 4h
		Pass 210 N/cm @ 70°C - 4h
Adhesion-Heat welded seam	ASTM D751	35 N/cm (Dielectric weld)
Bounded seam strength	ASTM D751 Methode A	2 450 N
Dimensions		
Width	-	1.83 m
Length	-	15 - 300 m

This technical information comes from the manufacturer and was transcribed by Texel.

Properties are minimum values except when specified otherwise.

1 - Nominal value

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