TM300 SERIES

TECHNICAL DATASHEET

Geomembrane (GMB) type	Bituminous
Composition	Geocomposite
Main function	Waterproofing

Property	Method	ES1		ES2		ES3	
		Typical	Minimum	Typical	Minimum	Typical	Minimum
Physical							
Geocomposite Glass mat Non-woven geotextile Elastomeric SBS Sand Polyester	-	50 g/m^2 200 g/m^2 3800 g/m^2 250 g/m^2 15 g/m^2		50 g/m^2 250 g/m^2 4300 g/m^2 250 g/m^2 15 g/m^2		50 g/m^2 300 g/m^2 4800 g/m^2 250 g/m^2 15 g/m^2	
Weight	ASTM D3776	4.20 kg/m^2	3.70 kg/m²	4.85 kg/m^2	4.30 kg/m²	5.80 kg/m^2	5.00 kg/m²
Thickness	ASTM D5199	3.50 mm	3.10 mm	4.00 mm	3.60 mm	4.80 mm	4.20 mm
Mechanical							
Tear strength (MD/CD)	ASTM D4073	750 / 500 N	563 / 375 N	825 / 700 N	619 / 525 N	950 / 850 N	713 / 638 N
Tensile strength (MD/CD)	ASTM D7275	22 / 18 kN/m	16.5 / 13.5 kn/m	27 / 24 kN/m	20.3 / 15 kN/m	33 / 29 kN/m	24.8 / 21.8 kN/m
Elongation at break (MD/CD)	ASTM D7275	60 / 45%					
Puncture resistance	ASTM D4833	450 N	405 N	530 N	477 N	570 N	513 N
Flexibility at low temperature	ASTM D5147	-20 / -15 °C					
Hydraulic							
Water vapor transmission rate	ASTM E96	< 6 x 10^{-14} m/s					
Gas permeability	ASTM D1434	< 2 x 10^{-14} m^3/(m^2·j·amt)					
Dimensions							
Width	-	5.1 m	5.01 m	5.1 m	5.01 m	5.1 m	5.01 m
Length	-	100 m	99 m	80 m	79 m	65 m	64 m

This technical informations comes from the manufacturer and was transcribed by Texel. TM300 ES4 also available on request.
Rolls must not be stored directly on the ground. They must be laid supported on concrete blocks, trestles or timber beams min 35cm/1.2 ft height, placed under the mandrel ends.

Revision : 2020-04-27