

TM200 SERIES

TECHNICAL DATASHEET

Geomembrane (GMB) type	Smooth
Composition	Polyvinyl chloride (PVC)
Main function	Impermeabilisation

Property	Method	TM220	TM230	TM240
Physical				
Thickness (Nominal \pm 5%) ⁽¹⁾	ASTM D5199	0.50 mm (20 mils)	0.75 mm (30 mils)	1.00 mm (mils)
Weight ⁽¹⁾	-	0.662 kg/m ²	0.957 kg/m ²	1.330 kg/m ²
Specific gravity (typical) ⁽²⁾	ASTM D792	1.20 g/cm ³	1.20 g/cm ³	1.20 g/cm ³
Water extraction (max. loss) ⁽²⁾	ASTM D1239	0.15%	0.15%	0.20%
Average plasticizer molecular weight ⁽²⁾	ASTM D2124	400 g/mole	400 g/mole	400 g/mole
Hydrostatic resistance (min.) ⁽²⁾	ASTM D751	470 g/m ²	690 g/m ²	830 g/m ²
Mechanical (minimum average) ⁽¹⁾				
Tensile strength ⁽³⁾	ASTM D882	8.4 kN/m	12.8 kN/m	17.0 kN/m
Elongation at break ⁽³⁾	ASTM D882	360%	380%	430%
Elongation modulus at 100% ⁽³⁾	ASTM D882	3.7 kN/m	5.6 kN/m	7.0 kN/m
Tear resistance	ASTM D1004	27 N	35 N	44 N
Dimensional stability	ASTM D1204	4%	3%	3%
Low temperature impact (pass)	ASTM D1790	-26°C	-29°C	-29°C
Volatile loss (max. loss)	ASTM D1203	0.90%	0.70%	0.50%
Soil Burial (max chg.)				
Tensile strength	ASTM G160	5%	5%	5%
Elongation at break	ASTM G160	20%	20%	20%
Elongation modulus at 100%	ASTM G160	20%	20%	20%
Factory seam strength (minimum average)				
Shear strength	ASTM D6392	6.7 kN/m	10.0 kN/m	14.0 kN/m
Peel strength	ASTM D6392	2.2 kN/m	2.6 kN/m	2.6 kN/m
Dimensions (may vary \pm1%) ⁽¹⁾				
Width (multiples) and length	-	(2.16) variable	(2.16) variable	(2.16) variable

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

1- Properties are tested once per lot, or once every 40,000 lbs of material (18,000 kg), whichever is more frequent. / 2 - Properties are tested once per formulation. A certified statement of the tests results for the formulation is to be made available to the customer on request. / 3 - Machine and cross directions / 4 - Custom panel sizes are available.

Fish Grade and Potable grade available on request.