

TEX-O-FLEX

TECHNICAL DATASHEET

Geomembrane (GMB) type	Geocomposite
Composition	PVC Geomembrane / Nonwoven Geotextile
Main function	Protection - Drainage

Tex-O-Flex is a protection composite material made of a PVC geomembrane extruded over a needlepunched nonwoven geotextile. Its multilayer design controls the effects of freezing-thawing on manholes and catch basins limiting misalignment of concrete sections. This product is an economical and efficient solution which minimizes damage caused to frost-susceptible soils of the road network.

Property	Test Method	Metric value
Physical geocomposite		
Weight	ASTM D5261	825 g/m ²
Thickness	ASTM D5199	3.0 mm
Manufacturing process	-	Extruded coating
Mechanical geocomposite		
Elongation at break CD ⁽¹⁾	ASTM D4632	80 - 140%
Tensile strength CD ⁽¹⁾	ASTM D4632	1 600 N
Tensile strength MD	ASTM D4632	1 100 N
Tear strength CD ⁽¹⁾	ASTM D4533	610 N
Tear strength MD	ASTM D4533	360 N
Resistance at low temperature	-	-30°C
Geotextile/Geomembrane adhesion @ 875 N/m	ASTM D751	Passed
PCBR Puncture resistance	ASTM D6241	3 065 N
Hydraulic geotextile ⁽²⁾		
Hydraulic transmissivity (i=1; 8 kPa)	ASTM D4716	6x10 ⁻⁵ m ² /sec
Dimensions		
Roll width	-	1.83 m
Roll length	-	30 m

Our quality management system is certified by ISO-9001 standard. Our internal laboratory is certified by the Geosynthetic Accreditation Institute - Laboratory Accreditation Program (GAI-LAP).

The values entered are values obtained at the time of manufacture. Handling and storage conditions may change some properties.

All values are MARV except for ASTM D4632 and D4533 that are typical values.

1- Cross direction (CD) is the direction solicited during use.

2 - Tested on geotextile before PVC extrusion.

Revision : 2019-06-25