

GEO-REFLEC

TECHNICAL DATASHEET

Type of geotextile	Needlepunched nonwoven short staple fibers
Composition	≥ 96% Polypropylene
Main function	Separation - drainage

Property	Test Method	Metric	Imperial
Physical			
Color	-	White or Black	
Weight	ASTM D5261	510 g/m ²	15 oz/yd ²
Thickness under 2 kPa	ASTM D5199	3.0 mm	120 mils
Thickness under 20 kPa	ASTM D5199	2.5 mm	100 mils
Thickness under 200 kPa	ASTM D5199	1.0 mm	40 mils
Mechanical			
Wide width tensile strength	ASTM D4595	10 kN/m	685 lbs/ft
Wide width elongation ⁽¹⁾	ASTM D4595	≤ 130%	
U.V. Resistance	ASTM D4355	70% / 500h	
Hydraulic			
Water permeability under 20 kPa ⁽²⁾	ASTM D4491	1 x 10 ⁻⁴ m/sec	3.3 x 10 ⁻⁴ ft/sec
Water transmissivity under 20 kPa ⁽³⁾	ASTM D6574	5 x 10 ⁻⁴ m/sec	1.6 x 10 ⁻³ ft/sec
Water transmissivity under 200 kPa ⁽³⁾	ASTM D6574	2 x 10 ⁻⁴ m/sec	6.6 x 10 ⁻⁴ ft/sec
Standard dimensions ⁽⁴⁾			
Width	-	3.81 - 4.57 - 5.25 m	12.5 - 15 - 17.2 ft
Length	-	100 - 200 m	328 - 656 ft

Informative value white product : 75% Energy reflected : Passed according to ASTM E424, weighted according to the chart of intensity of the wavelengths that make up the solar radiation

Our quality management system is certified by ISO-9001 standard.

Our internal laboratory is certified by the Geosynthetic Accreditation Institute - Laboratory Accreditation Programm (GAI-LAP).

All values are MARV except when specified otherwise and for black product which is in typical values.

1 - Typical value

2 - Permeability in normal direction

3 - In-plane permeability

4 - Dimensions can be adapted to fit your project. Ask your Texel representative for special dimensions.

Rev: 2017-07-12