



TRANSNET® HDPE GEOCOMPOSITE TN 330-2-200 & TN 330-2-270

Transnet® geocomposite consists of Transnet® geonet made from HDPE resin with nonwoven polypropylene geotextile fabric heat bonded on both sides of the geonet.

Property	Test Method	Unit	Value		Qualifier
Geonet					
Thickness	ASTM D 5199	mm	7.62		MAV ⁽³⁾
Carbon Black	ASTM D 4218	%	2.0		MAV
Tensile Strength	ASTM D 7179	kN/m	13.12		MAV
Compressive Strength	ASTM D 6364	kPa	1920		MAV
Melt Flow	ASTM D 1238 ⁽²⁾	g/10 min	1.0		Maximum
Density	ASTM D 1505	g/cm ³	0.94		MAV
Transmissivity ⁽¹⁾	ASTM D 4716	m ² /sec	8.0 x 10 ⁻³		MAV
Composite			200 g/m²	270 g/m²	
Ply Adhesion	ASTM D 7005	g/cm	178	178	MAV
Transmissivity ⁽¹⁾	ASTM D 4716	m ² /sec	9.0 x 10 ⁻⁴	9.0 x 10 ⁻⁴	MAV
Geotextile					
Fabric Weight	ASTM D 5261	g/m ²	200	270	MARV ⁽⁴⁾
Grab Tensile	ASTM D 4632	N	711	1001	MARV
Grab Elongation	ASTM D 4632	%	50	50	MARV
Trapezoid Tear	ASTM D 4533	N	289	400	MARV
CBR Puncture	ASTM D 6241	N	2002	2670	MARV
Water Flow ⁽⁵⁾	ASTM D 4491	l/min/m ²	5093	4075	MARV
Permittivity ⁽⁵⁾	ASTM D 4491	sec ⁻¹	1.63	1.26	MARV
Permeability ⁽⁵⁾	ASTM D 4491	cm/sec	0.30	0.30	MARV
AOS	ASTM D 4751	mm	0.212	0.180	MaxARV

Production Details			Net/Geotextile SS ⁽⁶⁾	Net/Geotextile SS ⁽⁶⁾
Roll Dimensions	Manufacturer	m	3.81 x 57.91	3.81 x 57.91
			Net/Geotextile DS ⁽⁶⁾	Net/Geotextile DS ⁽⁶⁾
Roll Dimensions	Manufacturer	m	3.81 x 54.86	3.81 x 50.29

Notes:

- (1) Transmissivity measured using water at 21 ± 2 °C with a gradient of 0.1 and a confining pressure of 480 kPa between steel plates after 15 minutes. Values may vary with individual labs.
- (2) Condition 190/2.16
- (3) Minimum average value.
- (4) MARV is statistically defined as mean minus two standard deviations and it is the value which is exceeded by 97.5% of all the test data.
- (5) At the time of manufacturing. Handling may change these properties.
- (6) SS = Net with one side of geotextile DS = Net both sides with geotextile.

DISCLAIMER: All information provided in this publication is correct to the best knowledge of the company and is given out in good faith. The information presented herein is intended only as a general guide to the use of such products and no liability is accepted by Global Synthetics Pty Ltd and Global Synthetics QLD Pty Ltd for any loss or damage however arising, which results either directly or indirectly from the use of such information. Global Synthetics Pty Ltd and Global Synthetics QLD Pty Ltd have a policy of continuous development so information and product specifications may change without notice.

AUG.16

