

GEONET SERIES

TECHNICAL DATASHEET

Geodrain (GDR) type	Geonet
Composition	Polyethylene / Polypropylene
Main function	Drainage

GEONET may be chosen alone or with geotextile on one or two sides

Property	Method	220	250	270	330
Geonet					
Thickness	ASTM D5199	5.08 mm	5.84 mm	6.35 mm	7.62 mm
Carbon black	ASTM D4218	2.0%	2.0%	2.0%	2.0%
Tensile strength	ASTM D7179	7.87 kN/m	8.74 kN/m	9.62 kN/m	13.12 kN/m
Melt flow (max)	ASTM D1328 ⁽²⁾	1 g/10 min	1 g/10 min	1 g/10 min	1 g/10 min
Density	ASTM D1505	0.94 g/cm ³	0.94 g/cm ³	0.94 g/cm ³	0.94 g/cm ³
Transmissivity ⁽¹⁾	ASTM D4716	2.0 x 10 ⁻³ m ² /sec	2.5 x 10 ⁻³ m ² /sec	3.0 x 10 ⁻³ m ² /sec	8.0 x 10 ⁻³ m ² /sec
Geocomposite		With 6 oz.	With 8 oz.	With 6 oz.	With 8 oz.
Ply adhesion	ASTM D7005	178 g/cm			
Transmissivity ⁽¹⁾ DS	ASTM D4716	1.0 x 10 ⁻⁴ m ² /sec	1.0 x 10 ⁻⁴ m ² /sec	2.7 x 10 ⁻⁴ m ² /sec	2.7 x 10 ⁻⁴ m ² /sec
Transmissivity ⁽¹⁾ SS	ASTM D4716	1.0 x 10 ⁻³ m ² /sec	1.0 x 10 ⁻³ m ² /sec	1.2 x 10 ⁻³ m ² /sec	1.2 x 10 ⁻³ m ² /sec
Hydraulic					
Weight	ASTM D5261	203 g/m ²	271 g/m ²	203 g/m ²	271 g/m ²
Tensile strength	ASTM D4632	711 N	1001 N	711 N	1001 N
Elongation at break	ASTM D4632	50%			
Trapezoidal tear	ASTM D4533	289 N	400 N	289 N	400 N
CBR puncture strength	ASTM D6241	2002 N	2670 N	2002 N	2670 N
Water flow rate	ASTM D4491	5093 l/min/m ²	4075 l/min/m ²	5093 l/min/m ²	4075 l/min/m ²
Permittivity ⁽³⁾	ASTM D4491	1.63 s ⁻¹	1.26 s ⁻¹	1.63 s ⁻¹	1.26 s ⁻¹
Permeability ⁽³⁾	ASTM D4491	0.30 cm/sec			
Apparent opening size (AOS)	ASTM D4751	0.212 mm	0.180 mm	0.212 mm	0.180 mm
Dimensions					
Width & length	-	Variable			

This technical information comes from the manufacturer and was transcribed by Texel. All values are MAV except when specified.

1 - Transmissivity measured using water at 21 ± 2 °C (70 ± 4 °F) with a gradient of 0.1 and a confining pressure of 10,000 psf (479 kPa) between steel plates after 15 minutes. Values may vary with individual labs. DS - Double Sided, SS - Single Sided / 2 - Condition 190/2.16 / 3 - At the time of manufacturing. Handling may change these properties.

Texel reserves the right to modify existing properties contingent on the evolution of technical knowledge. Each user is invited to verify if this document represents the most recent update. Texel offers no guarantee and assumes no responsibility regarding usage, installation and/or convenience of usage. Texel must be informed of all product defects or product nonconformity prior to installation. Responsibility is limited to replacement of non-compliant or defective product.