

# GEONET SERIES

## TECHNICAL DATASHEET

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

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

Property	Method	Unit	220		250		270		330	
<b>Geonet</b>										
Thickness	ASTM D5199	mm	5.08		5.84		6.35		7.62	
Carbon black	ASTM D4218	%	2		2		2		2	
Tensile strength	ASTM D7179	kN/m	7.87		8.74		9.62		13.12	
Melt flow <sup>(1)</sup>	ASTM D1328 <sup>(2)</sup>	g/10 min	1		1		1		1	
Density	ASTM D1505	g/cm <sup>3</sup>	0.94		0.94		0.94		0.94	
Transmissivity <sup>(3)</sup>	ASTM D4716	m <sup>2</sup> /sec	2.0 x 10 <sup>-3</sup>		2.5 x 10 <sup>-3</sup>		3.0 x 10 <sup>-3</sup>		8.0 x 10 <sup>-3</sup>	
<b>Geocomposite</b>										
			With 6 oz.	With 8 oz.	With 6 oz.	With 8 oz.	With 6 oz.	With 8 oz.	With 6 oz.	With 8 oz.
Ply adhesion	ASTM D7005	g/cm	178							
Transmissivity <sup>(3)</sup> DS	ASTM D4716	m <sup>2</sup> /sec	1.0 x 10 <sup>-4</sup>	1.0 x 10 <sup>-4</sup>	2.7 x 10 <sup>-4</sup>	2.7 x 10 <sup>-4</sup>	5.0 x 10 <sup>-4</sup>	5.0 x 10 <sup>-4</sup>	9.0 x 10 <sup>-4</sup>	9.0 x 10 <sup>-4</sup>
Transmissivity <sup>(3)</sup> SS	ASTM D4716	m <sup>2</sup> /sec	1.0 x 10 <sup>-3</sup>	1.0 x 10 <sup>-3</sup>	1.2 x 10 <sup>-3</sup>	1.2 x 10 <sup>-3</sup>	1.5 x 10 <sup>-3</sup>	1.5 x 10 <sup>-3</sup>	3.0 x 10 <sup>-3</sup>	3.0 x 10 <sup>-3</sup>
<b>Hydraulic</b>										
Weigth	ASTM D5261	g/m <sup>2</sup>	203	271	203	271	203	271	203	271
Tensile strength	ASTM D4632	N	711	1001	711	1001	711	1001	711	1001
Elongation at break	ASTM D4632	%	50							
Trapezoidal tear	ASTM D4533	N	289	400	289	400	289	400	289	400
CBR puncture strength	ASTM D6241	N	2002	2670	2002	2670	2002	2670	2002	2670
Water flow rate	ASTM D4491	l/min/m <sup>2</sup>	5093	4075	5093	4075	5093	4075	5093	4075
Permittivity	ASTM D4491	s <sup>-1</sup>	1.63	1.26	1.63	1.26	1.63	1.26	1.63	1.26
Permeability	ASTM D4491	cm/sec	0.3							
Apparent opening size (AOS) <sup>(1)</sup>	ASTM D4751	mm	0.212	0.180	0.212	0.180	0.212	0.180	0.212	0.180
<b>Dimensions</b>										
Width & length	-		Variable							

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

Properties are based on the minimum average value per roll (MARV) except when otherwise specified.

1 - Maximum / 2 - Condition 190/2.16 / 3 - 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

Revision : 2020-02-04