

SOLDRAIN SERIES

TECHNICAL DATASHEET

Geodrain (GDR) type	Hard web
Composition	Polypropylene / High impact polystyrene
Main function	Drainage

Property	Method	200	500	650	4000
Core					
Water captation	-	1 side	1 side	1 side	2 sides
Thickness	ASTM D1777	10 mm	10 mm	10 mm	25.4 mm
Compressive strength	ASTM D1621	527 kPa	862 kPa	862 kPa	431 kPa
Flow rate ⁽¹⁾	ASTM D4716	224 Lpm/m	261 Lpm/m	261 Lpm/m	261 Lpm/m
Geotextile					
Composition	-	Non woven	Non woven	Woven	Non woven both sides
Tensile strength	ASTM D4632	512 N	712 N	1824 x 979 N	445 N
Elongation at break	ASTM D4632	70%	70%	15%	50%
CBR puncture strength	ASTM D6241	1.41 kN	2.0 kN	3.22 kN	-
Apparent opening size (AOS)	ASTM D4751	0.210 mm	0.210 mm	0.354 mm	0.210 mm
Water flow rate	ASTM D4491	6 113 Lpm/m ²	4 483 Lpm/m ²	6 520 Lpm/m ²	5 698 Lpm/m ²
Permittivity	ASTM D4491	2.2 s ⁻¹	1.8 s ⁻¹	2.3 s ⁻¹	-
UV resistance 500hrs	ASTM D4355	70%	70%	90%	-
Dimensions					
Width	-	1.83 m			0.15 à 0.91 m
Length	-	15.24 m			30.48 m

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

All values are typical except when specified otherwise.

1 - In-plane flow rate measured at 3600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

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