

G100W G-Series Drainage Composite

G100W Drainage Composite is produced from a high compressive strength core with a Mirafi® mono-filament Filterweave® 402 filter geotextile bonded to one side.

Core Mechanical Properties	Test Method	Unit	Typical Roll Value
Thickness	ASTM D 1777	mm (in)	10.2 (0.4)
Compressive Strength	ASTM D 1621	kPa (psf)	861.3 (18,000)
Maximum Flow Rate ¹	ASTM D 4716	l/min/m ² (gal/min/ft ²)	855.5 (21)
Installed Vertically Flow Rate ²	ASTM D 4716	l/min/m ² (gal/min/ft ²)	733.3 (18)
Installed Horizontally Flow Rate ³	ASTM D 4716	l/min/m ² (gal/min/ft ²)	154.8 (3.8)

¹ In plane flow rate at 173 kPa (3600 psf) with a gradient of 1.0

² Installed flow rate with concrete overburden at a vertical gradient of 1.0

³ Installed flow rate with concrete overburden at a horizontal gradient of 0.05

Geotextile Mechanical Properties Mirafi® Filterweave® 402	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.6 (365)	0.9 (200)
Puncture Strength	ASTM D 4833	kN (lbs)	0.5 (105)	
Apparent Opening Size (AOS)	ASTM D 4751	mm (U.S. Sieve)	0.43 (40)	
Percent Open Area	COE-02215	%	10	
Permittivity	ASTM D 4491	sec ⁻¹	2.1	
Flow Rate	ASTM D 4491	l/min/m ² (gal/min/ft ²)	5907.3 (145)	

Physical Properties	Test Method	Unit	Typical Value
Roll Dimensions (width x length)	--	m (ft)	1.2 x 15.2 (4.0 x 50)
Roll Area	--	m ² (ft ²)	18.6 (200)
Estimated Roll Weight	--	kg (lb)	22.7 (50)

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