♨ TENCATE
Mirafi®

G100NC G-Series Drainage Composite

G100N Drainage Composite is produced from a high compressive strength polystyrene core with a Mirafi® 160N nonwoven filter geotextile bonded to one side.

TenCate Geosynthetics Americas Laboratories are accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).

Core Mechanical Properties	Test Method	Unit	Typical Roll Value
Thickness	ASTM D1777	in (mm)	0.4 (10.2)
Compressive Strength	ASTM D1621	psf (kPa)	18,000 (861)
Maximum Flow Rate[1]	ASTM D4716	gal/min/ft (l/min/m)	14 (173)

[1] In plane flow rate at 250 kPa (5221 psf) with a gradient of 1.0

Geotextile Mechanical Properties Mirafi® 160N	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Grab Tensile Strength	ASTM D4632	lbs (N)	160 (712)	160 (712)
CBR Puncture Strength	ASTM D6241	lbs (N)	400 (1780)	
			Maximum Opening Size	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	70 (0.212)	
			Minimum Roll Value	
Permittivity	ASTM D4491	sec^{-1}	1.5	
Flow Rate	ASTM D4491	gal/min/ft^2 (l/min/m^2)	110 (4481)	
			Minimum Test Value	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70	

Physical Properties	Unit	Typical Value
Roll Dimensions (width x length)	ft (m)	4.0 x 50 (1.2 x 15.2)
Roll Area	ft^2 (m^2)	200 (18.6)
Estimated Roll Weight	lb (kg)	50 (23)

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