G200N G-Series Drainage Composite

G200N Drainage Composite is produced from a high compressive strength polypropylene core with a Mirafi® 140N nonwoven filter geotextile bonded to both sides. Mirafi® 140N meets AASHTO M288 Class 3 for Elongation > 50%.

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)	21,000 (1005)
Maximum Flow Rate[1]	ASTM D4716	gal/min/ft (l/min/m)	21 (260)

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

Geotextile Mechanical Properties Mirafi® 140N	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Grab Tensile Strength	ASTM D4632	lbs (N)	120 (534)	120 (534)
CBR Puncture Strength	ASTM D6241	lbs (N)	210 (1413)	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	70 (0.212)	
			Minimum Roll Value	
Permittivity	ASTM D4491	sec^{-1}	1.7	
Flow Rate	ASTM D4491	gal/min/ft^2 (l/min/m^2)	135 (5500)	

Physical Properties	Unit	Typical Value
Roll Dimensions (width x length)	ft (m)	4 x 50 (1.2 x 15.2)
Roll Area	ft^2 (m^2)	200 (18.6)
Estimated Roll Weight	lb (kg)	50 (22)

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