

G200N G-Series Drainage Composite

G200N Drainage Composite is produced from a high compressive strength core with a Mirafi® 140NC nonwoven filter geotextile bonded to both sides.

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)	260 (21)
Installed Vertically Flow Rate ²	ASTM D 4716	l/min/m ² (gal/min/ft ²)	155 (12.5)
Installed Horizontally Flow Rate ³	ASTM D 4716	l/min/m ² (gal/min/ft ²)	47 (3.8)

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

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

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

Geotextile Mechanical Properties Mirafi® 140NC	Test Method	Unit	Typical Roll Value	
			MD	CD
Grab Tensile Strength	ASTM D 4632	kN (lbs)	0.5 (111)	0.5 (111)
Puncture Strength	ASTM D 4833	kN (lbs)	0.3 (70)	
Apparent Opening Size (AOS)	ASTM D 4751	mm (U.S. Sieve)	0.212 (70)	
Permittivity	ASTM D 4491	sec ⁻¹	1.9	
Flow Rate	ASTM D 4491	l/min/m ² (gal/min/ft ²)	5703.6 (140)	

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)	25 (55)

Disclaimer: TenCate assumes no liability for the accuracy or completeness of this information or for the ultimate use by the purchaser. TenCate disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.