



MIRAFI G100N

MIRAFI® G100N Drainage Composite is produced from a high compressive strength polymer core with an AASHTO M288 Class 3 nonwoven with elongation > 50% filter geotextile bonded to one side.

TenCate Geosynthetics Americas (A Solmax Company) is accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)).

MIRAFI G100N meets Build America, Buy America Act, Pub. L. No. 117-58, div. G §§ 70901-52.

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 (862)	
Maximum Flow rate ¹	ASTM D4716	gal/min/ft (l/min/m)	21 (261)	

GEOTEXTILE MECHANICAL PROPERTIES AASHTO M288 CLASS 2 NONWOVEN	TEST METHOD	UNIT	MINIMUM AVERAGE ROLL VALUE	
			MD	CD
Grab Tensile Strength	ASTM D4632	lbs (N)	120 (534)	120 (534)
Trapezoid Tensile Strength	ASTM D4533	lbs (N)	50 (223)	50 (223)
CBR Puncture Strength	ASTM D6241	lbs (N)	310 (1380)	

MAX OPENING SIZE			
Apparent Opening Size (AOS)	D4751	U.S. Sieve (mm)	70 (0.212)

MINIMUM ROLL VALUE			
Permittivity	D4491	sec ⁻¹	1.7
Flow Rate	D4491	gal/min/ft ² (l/min/m ²)	135 (5500)

PHYSICAL PROPERTIES	UNIT	TYPICAL ROLL 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)

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

365 South Holland Drive Pendergrass, GA 30567

Tel +1 706 693 2226 www.tencategeo.us



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