



Mirafi® G100N Drainage Composite

G100N Drainage Composite is produced from a high compressive strength polymer core with an AASHTO M288 Class 3 nonwoven with elongation $\geq 50\%$ 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 (862)	
Maximum Flow rate ¹	ASTM D4716	gal/min/ft (l/min/m)	21 (261)	

GEOTEXTILE MECHANICAL PROPERTIES AASHTO M288 CLASS 3 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)
Label Roll Color		White

¹ In-plane flow rate at 172 kPa (3600 psf) with a gradient of 1.0

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