

Mirafi[®] 140NL



Mirafi[®] 140NL is a needlepunched nonwoven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. Mirafi[®] 140NL is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids. Mirafi[®] 140NL meets AASHTO M288-06 for Elongation > 50%.

TenCate Geosynthetics Americas is accredited by a2La (The American Association for Laboratory Accreditation) and Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP). NTPEP Number: GTX-2012-01-043

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Grab Tensile Strength	ASTM D4632	lbs (N)	90 (401)	90 (401)
Grab Tensile Elongation	ASTM D4632	%	50	50
Trapezoid Tear Strength	ASTM D4533	lbs (N)	40 (178)	40 (178)
CBR Puncture Strength	ASTM D6241	lbs (N)	250 (1113)	
Apparent Opening Size (AOS) ¹	ASTM D4751	U.S. Sieve (mm)	60 (0.25)	
Permittivity	ASTM D4491	sec ⁻¹	2.0	
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	145 (5907)	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70	

¹ ASTM D4751: AOS is a Maximum Opening Diameter Value

Physical Properties	Unit	Typical Value	
Roll Dimensions (width x length)	ft (m)	12.5 x 360 (3.8 x 110)	15 x 360 (4.5 x 110)
Roll Area	yd ² (m ²)	500 (418)	600 (502)
Estimated Roll Weight	lb (kg)	133 (60)	160 (70)

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