

# Mirafi<sup>®</sup> 140NL



Mirafi<sup>®</sup> 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<sup>®</sup> 140NL is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas Laboratories are accredited by [a2La](#) (The American Association for Laboratory Accreditation) and Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)). [NTPEP Listed](#)

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)	
			<b>Maximum Opening Size</b>	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	50 (0.30)	
			<b>Minimum Roll Value</b>	
Permittivity	ASTM D4491	sec <sup>-1</sup>	2.0	
Flow Rate	ASTM D4491	gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> )	145 (5907)	
			<b>Minimum Test Value</b>	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70	
<b>Physical Properties</b>		<b>Unit</b>	<b>Roll Sizes</b>	
Roll Dimensions (width x length)		ft (m)	12.5 x 360 (3.8 x 110)	15 x 360 (4.57 x 110)
Roll Area		yd <sup>2</sup> (m <sup>2</sup> )	500 (418)	600 (502)

**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.

Mirafi<sup>®</sup> is a registered trademark of Nicolon Corporation.

Copyright © 2015 Nicolon Corporation. All Rights Reserved.



PO Box 87380  
Carol Stream, IL 60188  
630.293.3111

[www.roadfabrics.com](http://www.roadfabrics.com)



GAI-LAP-25-97



Testing Lab 1291.01 & 1291.02