

# Mirafi® 180N/O

TENCATE GEOSYNTHETICS  
Americas

Mirafi® 180N/O is an orange nonwoven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. Mirafi® 180N/O is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas Laboratories are accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)).

Mechanical Properties	Test Method	Unit	Typical Value	
			MD	CD
Grab Tensile Strength	ASTM D4632	lbs (N)	240 (1068)	240 (1068)
Grab Tensile Elongation	ASTM D4632	%	70	70
Trapezoid Tear Strength	ASTM D4533	lbs (N)	90 (400)	90 (400)
CBR Puncture Strength	ASTM D6241	lbs (N)	630 (2802)	
Permittivity	ASTM D4491	sec <sup>-1</sup>	1.5	
Flow Rate	ASTM D4491	gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> )	95 (3870)	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	80	

Physical Properties	Unit	Typical Value <sup>2</sup>
Weight (ASTM D5161)	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	8.0 (271)
Thickness (ASTM D5199)	mils (mm)	70 (1.8)
Roll Dimensions (width x length)	ft (m)	15 x 300 (4.5 x 91)
Roll Area	yd <sup>2</sup> (m <sup>2</sup> )	500 (418)
Estimated Roll Weight	lb (kg)	271 (122)

Mirafi® 180N/O orange polypropylene nonwoven is not manufactured with any heavy metals contents. The regulated metals – lead, mercury, cadmium, and hexavalent chromium are not intentionally added to any component in this product during the manufacturing process.

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