

# Mirafi<sup>®</sup> IR16

Mirafi<sup>®</sup> IR16 is a nonwoven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. Mirafi<sup>®</sup> IR16 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).

Mechanical Properties	Test Method	Unit	Typical Roll Value	
			MD	CD
Grab Tensile Strength	ASTM D4632	lbs (N)	360 (1602)	360 (1602)
Grab Tensile Elongation	ASTM D4632	%	60	60
CBR Puncture Strength	ASTM D6241	lbs (N)	900 (4005)	
Trapezoidal Tear Strength	ASTM D4533	lbs (N)	115 (512)	135 (601)
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70	

Physical Properties	Unit	Typical Value	
Weight (ASTM D5261)	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	16.0 (542)	
Thickness (ASTM D5199)	mils (mm)	175 (4.4)	
Roll Dimensions (width x length)	ft (m)	15 x 150 (4.5 x 45.7)	15 x 300 (4.5 x 91.4)
Roll Area	yd <sup>2</sup> (m <sup>2</sup> )	250 (209)	500 (418)
Estimated Roll Weight	lb (kg)	250 (114)	500 (227)

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