

# Mirafi<sup>®</sup> IRC10

Mirafi<sup>®</sup> IRC10 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> IRC10 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 Roll Value	
			MD	CD
Grab Tensile Strength	ASTM D4632	lbs (N)	260 (1157)	260 (1157)
Grab Tensile Elongation	ASTM D4632	%	70	70
CBR Puncture Strength	ASTM D6241	lbs (N)	690 (3071)	
Trapezoidal Tear Strength	ASTM D4533	lbs (N)	90 (401)	110 (490)
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	80	

Physical Properties	Test Method	Unit	Typical Value	
Weight	ASTM D5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	10.5 (356)	
Thickness	ASTM D5199	mils (mm)	75 (1.9)	
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)	174 (79)	348 (158)

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ETQR2



# Mirafi® IR16

Mirafi® 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® IR16 is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

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Mechanical Properties	Test Method	Unit	Typical Roll Value	
			MD	CD
Grab Tensile Strength	ASTM D4632	lbs (N)	425 (1891)	450 (2003)
Grab Tensile Elongation	ASTM D4632	%	70	70
CBR Puncture Strength	ASTM D6241	lbs (N)	1050 (4673)	
Trapezoidal Tear Strength	ASTM D4533	lbs (N)	140 (623)	170 (757)
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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GAI-LAP-25-97

# 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.

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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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