TENCATE GEOSYNTHETICS
Americas

Mirafi® IRC10

Mirafi® 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® 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^2 (g/m^2)	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^2 (m^2)	250 (209)	500 (418)
Estimated Roll Weight		lb (kg)	174 (79)	348 (158)

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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^2 (g/m^2)	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^2 (m^2)	250 (209)	500 (418)
Estimated Roll Weight	lb (kg)	250 (114)	500 (227)

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TENCATE GEOSYNTHETICS
Americas

Mirafi® IR26

Mirafi® IR26 is a nonwoven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. Mirafi® IR26 is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

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Mechanical Properties	Test Method	Unit	Typical Value	
			MD	CD
Grab Tensile Strength	ASTM D4632	lbs (N)	680 (3026)	640 (2848)
Grab Tensile Elongation	ASTM D4632	%	63	97
Trapezoid Tear Strength	ASTM D4533	lbs (N)	254 (1130)	287 (1277)
Puncture Strength	ASTM D4833	lbs (N)	417 (1856)	
Apparent Opening Size (AOS)[1]	ASTM D4751	U.S. Sieve (mm)	140 (0.11)	
Permittivity	ASTM D4491	sec^{-1}	0.56	
Permeability	ASTM D4491	cm/sec	0.30	
Flow Rate	ASTM D4491	$gal/min/ft^2$ ($l/min/m^2$)	41 (1670)	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	80	

[1] ASTM D4751: AOS is a Maximum Opening Diameter Value

Physical Properties	Test Method	Unit	Typical Value
Weight	ASTM D5261	oz/yd^2 (g/m^2)	26.0 (881)
Thickness	ASTM D5199	mils (mm)	261 (6.6)
Roll Dimensions (width x length)		ft (m)	13 x 150 (3.96 x 46)
Roll Area		yd^2 (m^2)	217 (181)
Estimated Roll Weight		lb (kg)	353 (160)

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