

# Mirafi<sup>®</sup> S1600



Mirafi<sup>®</sup> S1600 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> S1600 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	Minimum Average Roll 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)
Grab Tensile Strength	ASTM D4632	lbs (N)	425 (1891)
Grab Tensile Elongation	ASTM D4632	%	50
Trapezoid Tear Strength	ASTM D4533	lbs (N)	155 (690)
CBR Puncture Strength	ASTM D6241	lbs (N)	1200 (5340)
			<b>Maximum Opening Size</b>
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	100 (0.15)
			<b>Minimum Roll Value</b>
Permittivity	ASTM D4491	sec <sup>-1</sup>	0.7
Permeability	ASTM D4491	cm/sec	0.31
Flow Rate	ASTM D4491	gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> )	50 (2037)
			<b>Minimum Test Value</b>
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	80

Physical Properties	Unit	Roll Size
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)

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