



## Mirafi® S1600

Mirafi® 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® 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	
			MD	CD
Grab Tensile Strength	ASTM D4632	lbs (N)	425 (1891)	425 (1891)
Grab Tensile Elongation	ASTM D4632	%	50	50
Trapezoid Tear Strength	ASTM D4533	lbs (N)	155 (690)	155 (690)
CBR Puncture Strength	ASTM D6241	lbs (N)	1200 (5340)	
Transmissivity	ASTM D6574	ft <sup>2</sup> /min	3.9 x 10 <sup>-3</sup>	
Weight	ASTM D5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	16.0 (542)	
Thickness	ASTM D5199	mils (mm)	175 (4.4)	
			MINIMUM ROLL VALUE	
Permittivity	ASTM D4491	sec-1	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)	
			MAXIMUM OPENING SIZE	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	100 (0.15)	
			MINIMUM TEST VALUE	
UV Resistance (@ 500 hrs)	ASTM D4355	% strength retained	80	
PHYSICAL PROPERTIES		UNIT	TYPICAL ROLL VALUE	
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)	
Roll Weight		lb (kg)	516 (234)	

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