

Mirafi® S1000



Mirafi® S1000 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® S1000 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 ² (g/m ²)	10.0 (339)
Thickness	ASTM D5199	mils (mm)	115 (2.9)
Grab Tensile Strength	ASTM D4632	lbs (N)	270 (1202)
Grab Tensile Elongation	ASTM D4632	%	50
Trapezoid Tear Strength	ASTM D4533	lbs (N)	105 (467)
CBR Puncture Strength	ASTM D6241	lbs (N)	725 (3226)
			Minimum Roll Value
Permittivity	ASTM D4491	sec ⁻¹	1.2
Permeability	ASTM D4491	cm/sec	0.32
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	85 (3463)
			Maximum Opening Size
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	100 (0.15)
			Minimum Test Value
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 ² (m ²)	500 (418)

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