



MIRAFI S1000

MIRAFI® S1000 is a needlepunched nonwoven pervious geotextile composed of at least 95% by weight of long-chain 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](#)).

MIRAFI S1000 meets Build America, Buy America Act, Pub. L. No. 117-58, div. G §§ 70901-52.

MECHANICAL PROPERTIES	TEST METHOD	UNIT	MINIMUM AVERAGE ROLL VALUE	
			MD	CD
Grab Tensile Strength	ASTM D4632	lbs (N)	270 (1202)	270 (1202)
Grab Tensile Elongation	ASTM D4632	%	50	50
Trapezoid Tear Strength	ASTM D4533	lbs (N)	105 (467)	105 (467)
CBR Puncture Strength	ASTM D6241	lbs (N)	725 (3226)	
Transmissivity	ASTM D6574	ft²/min	2.3 x 10 ⁻³	
Thickness	ASTM D5199	mils (mm)	110 (2.8)	
			MINIMUM ROLL VALUE	
Permittivity	ASTM D4491	sec-1	1.2	
Permeability	ASTM D4491	cm/sec	0.32	
Flow Rate	ASTM D4491	gal/min/ft² (l/min/m²)	85 (3463)	
			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	MINIMUM AVERAGE ROLL VALUE	
Weight	ASTM D5261	oz/yd2 (g/m²)	10.0 (339)	
PHYSICAL PROPERTIES		UNIT	ROLL SIZE	
Roll Dimensions (width x length)		Ft (m)	15 x 300 (4.5 x 91)	
Roll Area		yd² (m²)	500 (418)	
Roll Weight		lbs (kg)	341 (155)	



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