



Mirafi® S1200

Mirafi® S1200 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® S1200 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)	320 (1424)	320 (1424)
Grab Tensile Elongation	ASTM D4632	%	50	50
Trapezoid Tear Strength	ASTM D4533	lbs (N)	125 (556)	125 (556)
CBR Puncture Strength	ASTM D6241	lbs (N)	900 (4005)	
Transmissivity	ASTM D6574	ft ² /min	2.6 x 10 ⁻³	
Weight	ASTM D5261	oz/yd ² (g/m ²)	12.0 (407)	
Thickness	ASTM D5199	mils (mm)	130 (3.3)	
			MINIMUM ROLL VALUE	
Permittivity	ASTM D4491	sec-1	0.9	
Permeability	ASTM D4491	cm/sec	0.3	
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	65 (2648)	
			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 ² (m ²)	500 (418)	
Roll Weight		lb (kg)	400 (181)	

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