Mirafi® S1600

Drainage **Separation**

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
Weight	ASTM D5261	oz/yd^2 (g/m^2)	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)
			Maximum Opening Size
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	100 (0.15)
			Minimum Roll Value
Permittivity	ASTM D4491	sec^{-1}	0.7
Permeability	ASTM D4491	cm/sec	0.31
Flow Rate	ASTM D4491	gal/min/ft^2 (l/min/m^2)	50 (2037)
			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)