



Mirafi® E1600

Mirafi® E1600 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® E1600 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 ROLL VALUE
Weight	ASTM D5261	oz/yd ² (g/m ²)	16.0 (542)
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)
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	Maximum Opening Size 100 (0.15) Minimum Roll Value
MECHANICAL PROPERTIES	TEST METHOD	UNIT	MINIMUM ROLL VALUE
Permittivity	ASTM D4491	sec ⁻¹	0.6
Permeability	ASTM D4491	cm/sec	0.15
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	40 (1630)
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	Minimum Test Value 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)	516 (234)

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