



MIRAFI HP270

MIRAFI® HP270 geotextile is composed of high-tenacity monofilament polypropylene yarns, which are woven into a network such that the yarns retain their relative position. MIRAFI HP270 geotextile is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas (A Solmax Company) is accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)).

MIRAFI HP270 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
Tensile Strength (at ultimate)	ASTM D4595	lbs/ft (kN/m)	2640 (38.5)	2460 (35.9)
Tensile Strength (at 5% strain)	ASTM D4595	lbs/ft (kN/m)	1272 (18.6)	1440 (21.0)
Grab Tensile Strength	ASTM D4632	lbs (N)	295 (1313)	260 (1157)
Grab Tensile Elongation	ASTM D4632	%	13	12
Trapezoid Tear Strength	ASTM D4533	lbs (N)	110 (490)	130 (579)
CBR Puncture Strength	ASTM D6241	lbs (N)	1000 (4450)	
MINIMUM ROLL VALUE				
Flow Rate	ASTM D4491	gal/min/ft² (l/min/m²)	40 (1630)	
Permittivity	ASTM D4491	sec ⁻¹	0.6	
MAXIMUM OPENING SIZE				
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	30 (0.60)	
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 (4.57 x 91.44)	
Roll Area	yd² (m²)		500 (418)	
Estimated Roll Weight	lbs (kgs)		243 (110)	



Distributed By:
Road Fabrics, Inc.
630-293-3111
info@roadfabrics.com
www.roadfabrics.com

365 South Holland Drive Pendergrass, GA 30567

Tel +1 706 693 2226 www.tencategeo.us



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