

# Mirafi® HP270



Mirafi® HP270 geotextile is composed of high-tenacity 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 Laboratories are accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP). NTPEP Listed

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 2% strain)	ASTM D4595	lbs/ft (kN/m)	504 (7.4)	600 (8.8)
Tensile Strength (at 5% strain)	ASTM D4595	lbs/ft (kN/m)	1272 (18.6)	1440 (21.0)
			Minimum Roll Value	
Flow Rate	ASTM D4491	gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> )	40 (1630)	
Permittivity	ASTM D4491	sec <sup>-1</sup>	0.6	
			Maximum Opening Size	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	30 (0.60)	
			Typical Test Value	
Pore Size 0 <sub>95</sub> <sup>1</sup>	ASTM D6767	microns	386	
Pore Size 0 <sub>50</sub> <sup>1</sup>	ASTM D6767	microns	295	
			Minimum Test Value	
Factory Sewn Seam	ASTM D4884	lbs/ft (kN/m)	1260 (18.4)	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	80	

<sup>1</sup> Based on Third Party Testing

Physical Properties	Unit	Roll Size	
Roll Dimensions (width x length)	ft (m)	15 x 300 (4.5 x 91)	17 x 375 (5.2 x 114)
Roll Area	yd <sup>2</sup> (m <sup>2</sup> )	500 (418)	708 (592)

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