TENCATE GEOSYNTHETICS
Americas

Mirafi® HP770

Mirafi® HP770 geotextile is composed of high-tenacity polypropylene yarns, which are woven into a network such that the yarns retain their relative position. Mirafi® HP770 geotextile is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas is accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Tensile Strength (at ultimate)	ASTM D4595	lbs/ft (kN/m)	7200 (105.1)	5760 (84.0)
Tensile Strength (at 2% strain)	ASTM D4595	lbs/ft (kN/m)	1370 (20.0)	1560 (22.8)
Tensile Strength (at 5% strain)	ASTM D4595	lbs/ft (kN/m)	3600 (52.5)	3600 (52.5)
Tensile Strength (at 10% strain)	ASTM D4595	lbs/ft (kN/m)	6600 (96.3)	5760 (84.0)
			Minimum Roll Value	
Flow Rate	ASTM D4491	gal/min/ft^2 (l/min/m^2)	15 (611)	
Permittivity	ASTM D4491	sec^{-1}	0.23	
			Maximum Opening Size	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	20 (0.85)	
			Minimum Test Value	
Factory Sewn Seam	ASTM D4884	lbs/ft (kN/m)	3000 (43.8)	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	80	

Physical Properties	Unit	Roll Size / Weight
Roll Dimensions (width x width)	ft (m)	15 x 300 (4.5 x 91)
Roll Area	yd^2 (m^2)	500 (418)

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