

Mirafi® HP770PET



Mirafi® HP770PET geotextile is composed of high tenacity polypropylene yarns in the machine direction and high tenacity polyester multifilament yarns in the cross-machine directions which are woven into a stable network such that the yarns retain their relative position. Mirafi® HP770PET geotextile is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas is accredited by a2La (The American Association for Laboratory Accreditation) and 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/in (kN/m)	600 (105.1)	650 (113.8)
Tensile Strength (at 2% strain)	ASTM D4595	lbs/in (kN/m)	120 (21.0)	135 (23.6)
Tensile Strength (at 5% strain)	ASTM D4595	lbs/in (kN/m)	300 (52.5)	330 (57.8)
Tensile Strength (at 10% Strain)	ASTM D4595	lbs/in (kN/m)	550 (96.3)	600 (105.1)
Trapezoidal Tear Strength	ASTM D4533	lbs (N)	290 (1291)	350 (1558)
Permeability	ASTM D4491	cm/sec	0.10	
Permittivity	ASTM D4491	sec ⁻¹	0.7	
Water Flow	ASTM D4491	gal/min/ft ² (l/min/m ²)	55 (2241)	
			Maximum Opening Size	
Apparent Opening Size (AOS)	ASTM D4751	US Sieve (mm)	30 (0.60)	
			Minimum Test Value	
Factory Sewn Seam	ASTM D4884	lbs/in (kN/m)	333 (58.3)	
UV Resistance (at 500 hours) (MD)	ASTM D4355	% strength retained	70	
UV Resistance (at 250 hours) (CD)	ASTM D4355	% strength retained	50	
Physical Properties		Unit	Roll Size	
Roll Dimensions (width x width)		ft (m)	15 x 300 (4.5 x 91)	

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Factory Sewn Seam (ASTM D4884) and UV Resistance (ASTM D4355) is not covered by our current A2LA accreditation.

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