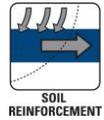


Mirafi® HP770PET



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 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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