



MIRAFI HP770PET

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

TenCate Geosynthetics Americas (A Solmax Company) 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)	9600 (140.1)
Tensile Strength (at 5% strain)	ASTM D4595	lbs/ft (kN/m)	3600 (52.5)	4200 (61.3)
Grab Tensile Strength	ASTM D4632	lbs (N)	600 (2670)	700 (3115)
Grab Tensile Elongation	ASTM D4632	%	13	13
Trapezoid Tear Strength	ASTM D4533	lbs (N)	290 (1291)	375 (1669)
CBR Puncture Strength	ASTM D6241	lbs (N)	1900 (8455)	
MINIMUM ROLL VALUE				
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	55 (2241)	
Permittivity	ASTM D4491	sec ⁻¹	0.7	
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	70	
UV Resistance (at 250 Hours)	ASTM D4355	% strength retained	50	
PHYSICAL PROPERTIES		UNIT	ROLL SIZE	
Roll Dimensions (width x length)		ft (m)	15 x 300 (4.5 x 91)	
Roll Area		yd ² (m ²)	500 (418)	
Estimated Roll Weight		lbs (kgs)	525 (238)	

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