



## 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 Laboratories are 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 <sup>2</sup> (l/min/m <sup>2</sup> )	55 (2241)	
Permittivity	ASTM D4491	sec <sup>-1</sup>	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			ROLL SIZE	
Roll Dimensions (width x length)	ft (m)		15 x 300 (4.5 x 91)	
Roll Area	yd <sup>2</sup> (m <sup>2</sup> )		500 (418)	
Estimated Roll Weight	lbs (kgs)		525 (238)	
Label Roll Color			White	

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