



## Mirafi® HP770

Mirafi® HP770 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® HP770 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](http://GAI-LAP.com)).

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 5% strain)	ASTM D4595	lbs/ft (kN/m)	3600 (52.5)	3600 (52.5)
Grab Tensile Strength	ASTM D4632	lbs (N)	600 (2670)	500 (2225)
Grab Tensile Elongation	ASTM D4632	%	12	6
Trapezoid Tear Strength	ASTM D4533	lbs (N)	250 (1113)	200 (890)
CBR Puncture Strength	ASTM D6241	lbs (N)	1900 (8455)	
<b>MINIMUM ROLL VALUE</b>				
Flow Rate	ASTM D4491	gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> )	65 (2648)	
Permittivity	ASTM D4491	sec <sup>-1</sup>	0.9	
<b>MAXIMUM OPENING SIZE</b>				
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	20 (0.85)	
<b>MINIMUM TEST VALUE</b>				
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	80	
PHYSICAL PROPERTIES		UNIT	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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