



## Mirafi<sup>®</sup> HP570

Mirafi<sup>®</sup> HP570 is composed of high-tenacity polypropylene yarns, which are woven into a network such that the yarns retain their relative position. Mirafi<sup>®</sup> HP570 is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

Mechanical Properties	Test Method	Unit	Typical Value	
			MD	CD
Grab Tensile Strength	ASTM D 4632	N (lbs)	2492 (560)	2492 (560)
Grab Tensile Elongation	ASTM D 4632	%	23	23
Trapezoid Tear Strength	ASTM D 4533	N (lbs)	1113 (250)	1780 (400)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	8266.7 (1200)	
Puncture Strength	ASTM D 4833	N (lbs)	1090 (245)	
Flow Rate	ASTM D 4491	l/min/m <sup>2</sup> (gal/min/ft <sup>2</sup> )	2037.0 (50)	
Permeability	ASTM D 4491	cm/sec	0.11	
Permittivity	ASTM D 4491	sec <sup>-1</sup>	0.66	
Apparent Opening Size (AOS) <sup>1</sup>	ASTM D 4751	mm (U.S. Sieve)	0.43 (40)	
UV Resistance (at 500 hours)	ASTM D 4355	% strength retained	70	

<sup>1</sup> ASTM D 4751: AOS is a Maximum Opening Diameter Value

Physical Properties	Test Method	Unit	Typical Value
Mass/Unit Area	ASTM D 5261	g/m <sup>2</sup> (oz/yd <sup>2</sup> )	474.6 (14.0)
Roll Dimensions (width x length)	--	m (ft)	4.5 (15) x 91 (300)
Roll Area	--	m <sup>2</sup> (yd <sup>2</sup> )	418 (500)
Estimated Roll Weight	---	kg (lbs)	215 (475)

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