



Mirafi[®] HP570

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

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Tensile Strength (at ultimate)	ASTM D 4595	kN/m (lbs/ft)	70.0(4800)	70.0 (4800)
Tensile Strength (at 2% strain)	ASTM D 4595	kN/m (lbs/ft)	14.0 (960)	19.3 (1320)
Tensile Strength (at 5% strain)	ASTM D 4595	kN/m (lbs/ft)	35.0 (2400)	38.0 (2604)
Tensile Strength (at 10% strain)	ASTM D 4595	kN/m (lbs/ft)	70.0 (4800)	70.0 (4800)
Factory Seam Strength	ASTM D 4884	kN/m (lbs/ft)	43.8 (3000)	
Flow Rate	ASTM D 4491	l/min/m ² (gal/min/ft ²)	1222.2 (30)	
Permeability	ASTM D 4491	cm/sec	0.050	
Permittivity	ASTM D 4491	sec ⁻¹	0.40	
Apparent Opening Size (AOS) ¹	ASTM D 4751	mm (U.S. Sieve)	0.60 (30)	
UV Resistance (at 500 hours)	ASTM D 4355	% strength retained	70	

¹ ASTM D 4751: AOS is a Maximum Opening Diameter Value

NOTE: To obtain Secant Modulus, divide tensile strength by the appropriate strain level
(i.e. Secant Modulus at 5% = 2400/0.05 = 48000 lb/ft)

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

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