



Mirafi[®] HP370

Mirafi[®] HP370 geotextile is composed of high-tenacity polypropylene yarns, which are woven into a network such that the yarns retain their relative position. Mirafi[®] HP370 geotextile 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 D4595	lbs/ft (kN/m)	3600 (52.5)	2700 (39.4)
Tensile Strength (at 2% strain)	ASTM D4595	lbs/ft (kN/m)	540 (7.9)	540 (7.9)
Tensile Strength (at 5% strain)	ASTM D4595	lbs/ft (kN/m)	1500 (21.9)	1560 (22.8)
Tensile Strength (at 10% strain)	ASTM D4595	lbs/ft (kN/m)	2400 (35.0)	2400 (35.0)
Factory Seam Strength	ASTM D4884	lbs/ft (kN/m)	1688 (24.6)	
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	40 (1630)	
Permeability	ASTM D4491	cm/sec	0.05	
Permittivity	ASTM D4491	sec ⁻¹	0.52	
Apparent Opening Size (AOS) ¹	ASTM D4751	U.S. Sieve (mm)	30 (0.60)	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	80	

¹ ASTM D4751: 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% = 1,500/0.05 = 30,000 lbs/ft)

Physical Properties	Unit	Typical Value
Mass/Unit Area (ASTM D5261)	oz/yd ² (g/m ²)	8.8 (298)
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 (kg)	266 (121)

Disclaimer: TenCate assumes no liability for the accuracy or completeness of this information or for the ultimate use by the purchaser. TenCate disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.

© 2011 TenCate Geosynthetics North America
Mirafi[®] is a registered trademark of Nicolon Corporation