



Mirafi[®] H₂Ri

Mirafi[®] H₂Ri is a revolutionary wicking geosynthetic created from super high-tenacity polypropylene filaments and patented wicking filaments formed into an innovative weave to provide superior reinforcement strength and soil interaction integrated with high soil retention and wicking capabilities.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Tensile Strength (at ultimate)	ASTM D4595	lbs/in (kN/m)	450 (78.8)	450 (78.8)
Tensile Strength (at 2% strain)	ASTM D4595	lbs/in (kN/m)	45 (7.9)	75 (13.1)
Tensile Strength (at 5% strain)	ASTM D4595	lbs/in (kN/m)	135 (23.6)	325 (56.9)
CBR Puncture Strength	ASTM D 6241	lbs (N)	2300 (10235)	
Permittivity	ASTM D4491	sec ⁻¹	0.24	
Pore Size (050)	ASTM D6767	microns	85	
Pore Size (095)	ASTM D6767	microns	195	
Apparent Opening Size (AOS) ¹	ASTM D4751	U.S. Sieve (mm)	40 (0.43)	
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	15 (611)	
Wet Front Movement ² (24 minutes)	ASTM C1559 ³	inches	6.0 Vertical direction	
Wet Front Movement ² (983 minutes) Zero Gradient	ASTM C1559 ³	inches	73.3 Horizontal direction	

¹ ASTM D4751: AOS is a Maximum Opening Diameter Value

² 'STP': Standard Temperature and Pressure

³ Modified

Physical Properties	Test Method	Unit	Typical Value
Mass/Unit Area	ASTM D5261	oz/yd ² (g/m ²)	14.5 (492)
Thickness	ASTM D5199	mils	65
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)	453 (206)

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