



Mirafi[®] H₂Ri-Series

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

Geosynthetic directionally draws water via capillary action.

TenCate Geosynthetics Americas Laboratories are accredited Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)).

MECHANICAL PROPERTIES	TEST METHOD	UNIT	MINIMUM AVERAGE ROLL VALUE	
			MD	CD
Wide Width Tensile Strength	ASTM D4595	lbs/ft (kN/m)	5280(77.0)	5280(77.0)
Wide Width Tensile Strength @ 2% strain	ASTM D4595	lbs/ft (kN/m)	480 (7.0)	1080 (15.8)
			MAXIMUM OPENING SIZE	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	40 (0.425)	
MECHANICAL PROPERTIES	TEST METHOD	UNIT	MINIMUM ROLL VALUE	
Permittivity	ASTM D4491	sec ⁻¹	0.4	
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	30 (1222)	
			MINIMUM TEST VALUE	
Pore Size (050)	ASTM D6767	microns	85	
Pore Size (095)	ASTM D6767	microns	195	
Wet Front Movement ¹ (24 minutes)	ASTM C1559 ²	inches	6.0 Vertical direction	
Wet Front Movement ¹ (983 minutes) Zero Gradient	ASTM C1559 ²	inches	73.3 Horizontal direction	
PHYSICAL PROPERTIES		UNIT	TYPICAL ROLL VALUE	
Roll Dimensions (width x length)		ft (m)	15 x 300 (4.59 x 91.44)	
Roll Area		yd ² (m ²)	500 (418)	
Label Roll Color			BLUE	

¹ 'STP': Standard Temperature and Pressure

² Modified

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U.S. Patent 7,874,767 and 8,070,395