



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