

Mirafi[®] RS280i



Mirafi[®] RS280i is a revolutionary geotextile created from super high-tenacity polypropylene filaments formed into an innovative weave to provide superior reinforcement strength and soil interaction integrated with high water flow and soil retention capabilities.

TenCate Geosynthetics Americas Laboratories are accredited by [a2La](#) (The American Association for Laboratory Accreditation) and Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)).

Mechanical Properties	Test Method	Unit	Typical Roll Value	Minimum Average Roll Value
Tensile Modulus @ 2% strain (CD)	ASTM D4595	lbs/ft (kN/m)	48000 (700)	30000 (438)
Tensile Modulus @ 5% strain (CD)	ASTM D4595	lbs/ft (kN/m)	42000 (613)	32400 (472)
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	85 (3463)	70 (2852) ³
Permittivity	ASTM D4491	sec ⁻¹	1.2	0.9 ³
Pore Size O ₉₅	ASTM D6767	microns	345	
Pore Size O ₅₀	ASTM D6767	microns	196	
Interaction Coefficient ¹	ASTM D6706	--		0.89 ³
Index Properties				
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	40 (0.425)	40 (0.425) ²
UV Resistance (at 500 hours)	ASTM D4355	% strength retained		90 ³

¹ Interaction Coefficient value is for sand or gravel based on testing conducted by SGI Testing Services.

² ASTM D4751: AOS is a Maximum Opening Diameter Value

³ Minimum Test Value

Physical Properties	Unit	Roll Sizes	
Roll Dimensions (width x length)	ft (m)	15 x 300 (4.57 x 91.4)	17 x 300 (5.2 x 91.4)
Roll Area	yd ² (m ²)	500 (419)	

Interaction Coefficient (ASTM D6706) is not covered by our current A2LA accreditation.

Patent Pending

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