

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	Minimum Average Roll Value
STRENGTH			
Tensile Modulus @ 2% strain (CD)	ASTM D4595	lbs/ft (kN/m)	30000 (437.8)
HYDRAULIC			
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	70 (2852)
Permittivity	ASTM D4491	sec ⁻¹	0.9
SOIL RETENTION			
Apparent Opening Size (AOS) ¹	ASTM D4751	U.S. Sieve (mm)	40 (0.43)
Pore Size 0 ₉₅	ASTM D6767	microns	345 ³
Pore Size 0 ₅₀	ASTM D6767	microns	196 ³
SOIL INTERACTION			
Interaction Coefficient ²	ASTM D6706	--	0.89
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	80 ⁴

¹ ASTM D4751: AOS is a Maximum Opening Diameter Value

² Interaction Coefficient value is for sand or gravel based on testing conducted by SGI Testing Services.

³ Typical Values ⁴ Minimum

Physical Properties	Unit	Typical Value	
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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