



Mirafi[®] RS580*i*

This is to certify that Mirafi[®] RS580*i* 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.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value
STRENGTH			
Tensile Modulus @ 2% strain (CD)	ASTM D4595	lbs/ft (kN/m)	90,000 (1313.3)
HYDRAULIC			
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	75 (3055.5)
Permittivity	ASTM D4491	sec ⁻¹	1.0
SOIL RETENTION			
Apparent Opening Size (AOS) ¹	ASTM D4751	U.S. Sieve (mm)	40 (0.43)
Pore Size 0 ₉₅	ASTM D6767	microns	350 ³
Pore Size 0 ₅₀	ASTM D6767	microns	185 ³
SOIL INTERACTION			
Interaction Coefficient ²	ASTM D5321	--	0.9
Factory Seam Strength	ASTM D4884	lbs/ft (kN/m)	3000 (43.8)
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	80

¹ ASTM D 4751: AOS is a Maximum Opening Diameter Value

² Interaction Coefficient value is for sand or gravel

³ Typical Values

Physical Properties	Unit	Typical Value
Roll Dimensions (width x length)	ft (m)	15 x300 (4.5 x 91)
Roll Area	yd ² (m ²)	500 (418)
Estimated Roll Weight	lbs (kg)	415 (188)

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