



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 D 4595	kN/m (lbs/ft)	1,313 (90,000)
HYDRAULIC			
Flow Rate	ASTM D 4491	l/min/m ² (gal/min/ft ²)	3,056 (75)
Permittivity	ASTM D 4491	sec ⁻¹	1.0
SOIL RETENTION			
Apparent Opening Size (AOS) ¹	ASTM D 4751	mm (U.S. Sieve)	0.43 (40)
SOIL INTERACTION			
Interaction Coefficient ²	ASTM D 5321	--	0.9
Factory Seam Strength	ASTM D 4884	kN/m (lbs/ft)	43.8 (3,000)
UV Resistance (at 500 hours)	ASTM D 4355	% strength retained	80

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

² Interaction Coefficient value is for sand or gravel

Physical Properties	Unit	Typical Value
Roll Dimensions (width x length)	m (ft)	4.5 (15) x 91 (300)
Roll Area	m ² (yd ²)	418 (500)
Estimated Roll Weight	kg (lbs)	188 (415)

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