



## Mirafi<sup>®</sup> RS380*i*

This is to certify that Mirafi<sup>®</sup> RS380*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
<b>STRENGTH</b>			
Tensile Modulus @ 2% strain (CD)	ASTM D4595	kN/m (lbs/ft)	744 (51000)
<b>HYDRAULIC</b>			
Flow Rate	ASTM D4491	l/min/m <sup>2</sup> (gal/min/ft <sup>2</sup> )	3056 (75)
Permittivity	ASTM D4491	sec <sup>-1</sup>	0.9
<b>SOIL RETENTION</b>			
Apparent Opening Size (AOS) <sup>1</sup>	ASTM D4751	mm (U.S. Sieve)	0.43 (40)
Pore Size 0 <sub>95</sub>	ASTM D6767	microns	365 <sup>3</sup>
Pore Size 0 <sub>50</sub>	ASTM D6767	microns	185 <sup>3</sup>
<b>SOIL INTERACTION</b>			
Interaction Coefficient <sup>2</sup>	ASTM D5321	--	0.89
Factory Seam Strength	ASTM D4884	kN/m (lbs/ft)	39.4 (2700)
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	80

<sup>1</sup> ASTM D 4751: AOS is a Maximum Opening Diameter Value

<sup>2</sup> Interaction Coefficient value is for sand or gravel

<sup>3</sup> Typical Values

Physical Properties	Unit	Typical Value
Roll Dimensions (width x length)	m (ft)	4.5 (15) x 91 (300)
Roll Area	m <sup>2</sup> (yd <sup>2</sup> )	418 (500)
Estimated Roll Weight	kg (lbs)	149 (328)

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