

RG2X2HF PRODUCT DATA SHEET

RG2X2HF geotextile is composed of high-tenacity polypropylene yarns which are woven into a stable network such that the yarns retain their relative position. RG2X2HF geotextile is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Tensile Strength @ Ultimate	ASTM D 4595	kN/m (lbs/ft)	38.5 (2640)	35.9 (2460)
Tensile Strength at 2% Strain	ASTM D4595	kN/m (lbs/ft)	7.0 (480)	8.6 (588)
Tensile Strength at 5% Strain	ASTM D 4595	kN/m (lbs/ft)	17.7 (1212)	19.8 (1356)
Tensile Strength at 10% Strain	ASTM D 4595	kN/m (lbs/ft)	34.1 (2340)	35.2 (2412)
Apparent Opening Size (AOS) ¹	ASTM D 4751	mm (U.S. Sieve)	0.60 (30)	
Permeability	ASTM D 4491	cm/sec	0.04	
Permittivity	ASTM D 4491	sec ⁻¹	0.70	
Flow Rate	ASTM D4491	l/min/m ² (gal/min/ft ²)	2037 (50)	
UV Resistance (at 500 hours)	ASTM D 4355	% Strength Retained	80	

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

Physical Properties	Test Method	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 (lbx)	132 (292)

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