

RG4X4HF PRODUCT DATA SHEET

RG4X4HF geotextile is composed of high-tenacity polypropylene yarns, which are woven into a network such that the yarns retain their relative position. RG4X4HF 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)	70.0 (4800)	70.0 (4800)
Tensile Strength at 2% Strain	ASTM D4595	kN/m (lbs/ft)	14.0 (960)	19.3 (1320)
Tensile Strength at 5% Strain	ASTM D 4595	kN/m (lbs/ft)	35.0 (2400)	39.4 (2700)
Tensile Strength at 10% Strain	ASTM D 4595	kN/m (lbs/ft)	70.0 (4800)	70.0 (4800)
Flow Rate	ASTM D 4491	l/min/m ² (gal/min/ft ²)	1222 (30)	
Permeability	ASTM D 4491	cm/sec	0.05	
Permittivity	ASTM D 4491	Sec ⁻¹	0.40	
Apparent Opening Size (AOS) ¹	ASTM D 4751	mm (U.S. Sieve)	0.600 (30)	
UV Resistance (at 500 hours)	ASTM D 4355	% strength retained	80	

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

Physical Properties	Test Method	Unit	Typical Value
Mass/Unit Area	ASTM D 5261	g/m ² (oz/yd ²)	475 (14.0)
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)	215 (475)

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