

RG370W GEOTEXTILE TECHNICAL DATA SHEET

RG370W geotextile is composed of high-tenacity polypropylene yarns, which are woven into a network such that the yarns retain their relative position. RG370W 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
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.78 (400)	1.10 (250)
Grab Tensile Elongation	ASTM D 4632	%	15	6
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.76 (170)	0.49 (110)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	5506 (800)	
Puncture Strength	ASTM D 4833	kN (lbs)	0.80 (180)	
Flow Rate	ASTM D 4491	l/min/m ² (gal/min/ft ²)	1629 (40)	
Permeability	ASTM D 4491	cm/sec	0.050	
Permittivity	ASTM D 4491	Sec ⁻¹	0.52	
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	70	

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)	284 (8.5)
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)	121 (266)

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