

EC-60 Engineering Fabric

Blome EC-60 is a non-woven geotextile composed of polypropylene fibers, which are formed into a network such that the fibers retain their relative position. Blome EC-60 is inert to biological degradation and resists 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)	0.401 (90)	0.401 (90)
Grab Tensile Elongation	ASTM D 4632	%	50	50
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.178 (40)	0.178 (40)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	1205.75 (175)	
Puncture Strength ¹	ASTM D 4833	kN (lbs)	0.245 (55)	
CBR Puncture Strength	ASTM D 6241	kN (lbs)	1.113 (250)	
Apparent Opening Size (AOS)	ASTM D 4751	mm (U.S. Sieve)	0.25 (60)	
Permittivity	ASTM D 4491	sec ⁻¹	2.0	
Flow Rate	ASTM D 4491	l/min/m ² (gal/min/ft ²)	5907.3 (145)	
UV Resistance (at 500 hours)	ASTM D 4355	% strength retained	70	

1 ASTM D 4833 has been replaced with ASTM D 6241

Physical Properties	Test Method	Unit	Typical Value	
Weight	ASTM D 5261	g/m ² (oz/yd ²)	135.0 (4.0)	
Thickness	ASTM D 5199	mm (mils)	0.101 (35)	
Roll Dimensions (width x length)	---	m (ft)	3.8 x 110 (12.5 x 360)	4.5 x 110 (15 x 360)
Roll Area	---	m ² (yd ²)	418 (500)	502 (600)
Estimated Roll Weight	---	kg (lb)	60 (133)	70 (160)

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