

ProFelt

Nonwoven Geotextile

ProFelt needlepunched nonwoven geotextile composed of polymeric fibers, which are formed in a stable network such that the fibers retain their relative position. ProFelt is inert to biological degradation and resists naturally encountering chemicals, alkalies and acids.

Accredited by a2La, the American Laboratory Accreditation Program (GAI-LAP).

Product Specifications

Property Tested	Test Method	Unit	Minimum Average Roll Value					
			4oz.	6oz.	8oz.	10oz.	12oz.	16oz.
Grab Tensile Strength <small>MD (N) CD (N)</small>	ASTM D 4632	lbs (N)	120 (534) 120 (534)	160 (712) 160 (712)	205 (912) 205 (912)	250 (1113) 250 (1113)	300 (1335) 300 (1335)	380 (1691) 380 (1691)
Grab Tensile Elongation	ASTM D 4632	%	50	50	50	50	50	50
Trapezoid Tear Strength	ASTM D 4533	lbs (N)	50 (223)	60 (267)	80 (356)	100 (445)	115 (512)	140 (623)
CBR Puncture Strength	ASTM D 6241	lbs (N)	310 (1380)	410 (1825)	500 (2224)	700 (3115)	800 (3560)	1025 (4561)
Apparent Opening Size (AOS)	ASTM D 4751	US Sieve (mm)	70 (0.212)	70 (0.212)	80 (0.18)	100 (0.15)	100 (0.15)	100 (0.15)
Permittivity	ASTM D 4491	sec ⁻¹	1.7	1.5	1.4	0.8	0.8	0.7
Flow Rate	ASTM D 4491	gal/min/ft ² (l/min/m ²)	135 (5500)	110 (4481)	95 (3870)	75 (3056)	65 (2648)	50 (2037)
UV Resistance (at 500 hours)	ASTM D 4355	% Strength Retained	70	70	70	70	70	70

	Unit	Roll Size
Roll Dimensions (width x length)	ft (m)	15 x 300 (4.57 x 91.4)
Roll Area	yd ² (m ²)	500 (418)

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