

Crown Resources



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Geotextile Product Description Sheet

Style E100

E100 is a nonwoven geotextile produced by needlepunching synthetic staple fibers in a random network to form a high strength dimensionally stable fabric. The polypropylene fibers are specially formulated to resist ultraviolet light deterioration, and are inert to commonly encountered soil chemicals. The fabric will not rot or mildew, is non-biodegradable, and is resistant to damage from insects and rodents. Polypropylene is stable within a ph range of 2 to 13. E100 conforms to the physical property values listed below:

Fabric Property	Test Method	Units	Minimum Average Roll Value
Weight	ASTM D 5261	oz/sq.yd.	10.0 (340 g/sm)
Thickness*	ASTM D 5199	mils	110 (2.79 mm)
Grab Tensile	ASTM D 4632	lbs.	270 (1.20 kN)
Grab Elongation	ASTM D 4632	%	50
Trap Tear	ASTM D 4533	lbs.	100 (0.44 kN)
CBR Puncture	ASTM D 6241	lbs	725 (3.23 kN)
Permittivity*	ASTM D 4491	1/sec	0.94
AOS	ASTM D 4751	U.S. Sieve	100 (.150 mm)
Permeability*	ASTM D 4491	cm/sec	.3
Water Flow*	ASTM D 4491	gpm/sqft	75 (3055 1/min/sm)
UV Resistance after 500 hrs.	ASTM D 4355	% Strength Retained	70
Packaging			
Roll Dimensions-Foot			15 x 300
Square Yards Per Roll			500
Estimated Roll Weight-Lbs.			345

* At time of manufacturing, handling may change these properties.

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