



# PRODUCT DESCRIPTION SHEET

## DALCO 1100

Dalco 1100 is a superior quality, nonwoven geotextile produced by needle-punching together 100% synthetic staple fibers, in a random network, forming a high strength dimensionally stable fabric. The synthetic 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. The synthetic fiber is stable within a pH range of 2 to 13, making it one of the most stable polymers available for geotextiles today. Dalco 1100 meets the following minimum average roll values:

PROPERTIES	TEST METHOD	UNIT	MINIMUM AVERAGE ROLL VALUE	
<b>PHYSICAL</b>				
<b>Grab Tensile</b>	ASTM D 4632	lbs.	250 (1.1 kN)	
<b>Grab Elongation</b>	ASTM D 4632	%	50	
<b>Trapezoidal Tear</b>	ASTM D 4533	lbs.	100 (.444 kN)	
<b>CBR Puncture Resistance</b>	ASTM D 6241	lbs.	625 (2.780 kN)	
<b>UV Resistance After 500 hrs.</b>	ASTM D 4355	% Strength Retained	70	
<b>HYDRAULIC</b>				
<b>Permittivity<sup>1</sup></b>	ASTM D 4491	sec <sup>-1</sup>	.9	
<b>Water Flow Rate<sup>1</sup></b>	ASTM D 4491	gpm/ft <sup>2</sup>	80 (3251 l/min/m <sup>2</sup> )	
<b>Apparent Opening Size<sup>2</sup></b>	ASTM D 4751	U.S. Sieve	80 (.180mm)	
<b>PACKAGING</b>				
<b>Roll Width</b>		ft	12.5	15
<b>Roll Length</b>		ft	360	300
<b>Area</b>		yd <sup>2</sup>	500	

<sup>1</sup> Handling, at the time of manufacturing, may change these properties.

<sup>2</sup> Apparent Opening Size, (AOS), reported as maximum average roll value.

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