



# PRODUCT DESCRIPTION SHEET

## DALCO 1040

Dalco 1040 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 1040 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.	100 (.450 kN)	
<b>Grab Elongation</b>	ASTM D 4632	%	50	
<b>Trapezoidal Tear</b>	ASTM D 4533	lbs.	45 (.202 kN)	
<b>CBR Puncture Resistance</b>	ASTM D 6241	lbs.	310 (1.379 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>	1.7	
<b>Water Flow Rate<sup>1</sup></b>	ASTM D 4491	gpm/ft <sup>2</sup>	140 (5700 l/min/m <sup>2</sup> )	
<b>Apparent Opening Size<sup>2</sup></b>	ASTM D 4751	U.S. Sieve	70 (.212mm)	
<b>PACKAGING</b>				
<b>Roll Width</b>		ft	12.5	15
<b>Roll Length</b>		ft	360	
<b>Area</b>		yd <sup>2</sup>	500 / 600	

<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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