



# GEOTEXTILE-NW12 Product Data Sheet

Updated 2/12/2013

**Geotextile-NW12** is a polypropylene, staple fiber, needle-punched, nonwoven geotextile made with a proprietary additive. The fibers are needled to form a stable network that retains dimensional stability relative to each other. The geotextile is extremely resistant to ultraviolet degradation and to biological and chemical environments normally found in soils. Geotextile-NW12 conforms to the property values listed below:

<b>PROPERTY</b>	<b>TEST METHOD</b>	<b>MARV<sup>1</sup></b>
<b>Mechanical</b>		
Grab Tensile Strength (machine direction)	ASTM D4632	130 lbs.
Grab Tensile Strength (cross direction)	ASTM D4632	160 lbs.
Grab Elongation (machine direction)	ASTM D4632	50%
Grab Elongation (cross direction)	ASTM D4632	55%
CBR Burst	ASTM D6241	450 lbs.
Cone Drop Test <sup>2</sup>	EN 918	24 mm
<b>Endurance</b>		
UV Resistance (% retained after 500 hrs.)	ASTM D4355	70%
Chemical Resistance	EN 14030	80%
Oxidation Resistance	EN 13438	80%
<b>Hydraulic</b>		
Apparent Opening Size (AOS) <sup>2</sup>	ASTM D4751	70 US Std. Sieve
Permittivity	ASTM D4491	1.30 sec <sup>-1</sup>
Permeability	ASTM D4491	0.24 cm/sec
Water Flow Rate	ASTM D4491	100 gpm/ft <sup>2</sup>

**NOTES:**

<sup>1</sup>The property values listed above are effective March 15, 2006 and are subject to change without notice. Minimum average roll values are calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any samples taken from quality assurance testing will exceed the value reported.

<sup>2</sup>Maximum average roll value. Statistically, it yields a 97.7% degree of confidence that samples taken from quality assurance testing will be below the value reported.

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