

## Envirolok Bag Data Sheet

The Envirolok bag is a 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. The Envirolok bag meets the following Minimum Average Roll Values (MARV):

PROPERTIES	TEST METHOD	UNIT	MARV
<b>PHYSICAL</b>			
<b>Weight</b>	ASTM D 5261	oz/yd <sup>2</sup>	4.0 (Typ)
<b>Grab Tensile</b>	ASTM D 4632	lbs.	115 (.512 kN)
<b>Grab Elongation</b>	ASTM D 4632	%	50
<b>Puncture Strength</b>	ASTM D 4833	lbs.	65 (.289 kN)
<b>Mullen Burst</b>	ASTM D 3786	psi	210 (1448 kPa)
<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</b>	ASTM D 4355	% Strength Retained	70
<b>HYDRAULIC</b>			
<b>Permittivity <sup>1</sup></b>	ASTM D 4491	sec-1	2
<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)

1. Handling at the time of manufacturing may change these properties.
2. Apparent Opening Size, (AOS), reported as Maximum Average Roll Value.

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