



Material Property Data Sheet

CONTECH C-80NW Nonwoven Geotextile

CONTECH® C-80NW is a polypropylene, staple fiber, needle punched nonwoven geotextile. The fibers are needled to form a stable network that retain dimensional stability relative to each other. The geotextile is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils. CONTECH C-80NW meets the requirements for a Class 1 Permanent Erosion Control geotextile and Stabilization geotextile. CONTECH C-80NW conforms to the property values listed below which have been derived from quality control testing.

PROPERTY	TEST METHOD	MINIMUM AVERAGE ROLL VALUES ²	
		<i>English</i>	<i>Metric</i>
<i>Mechanical</i>			
Grab Tensile Strength	ASTM D4632	205 lbs.	912 N
Grab Elongation	ASTM D4632	50 %	50 %
Puncture Strength	ASTM D4833	110 lbs.	489 N
Mullen Burst	ASTM D3786	350 psi	2413 kPa
Trapezoidal Tear	ASTM D4533	80 lbs.	356 N
<i>Hydraulic</i>			
Apparent Opening Size (AOS)	ASTM D4751	80 US Std Sieve	0.180 mm
Permittivity	ASTM D4491	1.20 sec ⁻¹	1.20 sec ⁻¹
Water Flow Rate	ASTM D4491	90 gpm/ft ²	3667 l/pm/m ²
<i>Endurance</i>			
UV Resistance (% retained after 500 hours)	ASTM D4355	70%	70%

NOTES:

- ¹ The property values listed above are effective 3/01/04 and are subject to change without notice.
- ² Values shown are in weaker principal direction. Minimum average rolls values are calculated as the typical minus two standard deviations. Statistically, it yields a 97.5% degree of confidence that any samples taken from quality assurance testing will exceed the value reported.