

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 retains 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 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>
<u>Mechanical</u>			
Grab Tensile Strength	ASTM D-4632	205 lbs	912 N
Grab Elongation	ASTM D-4632	50 %	50 %
Trapezoidal Tear	ASTM D-4533	80 lbs	356 N
CBR Puncture Resistance	ASTM D-6241	525 lbs	2336 N
Mullen Burst	ASTM D-3786	350 psi	2413 kPa
Puncture	ASTM D-4833	110 lbs	490 N
<u>Hydraulic</u>			
Apparent Opening Size (AOS) ³	ASTM D-4751	80 US Std. Sieve	0.180 mm
Permittivity	ASTM D-4491	1.5 Sec ⁻¹	1.5 Sec ⁻¹
Water Flow Rate	ASTM D-4491	110 gpm/ft ²	4482 l/min/m ²
<u>Endurance</u>			
UV Resistance (% Retained at 500 hrs)	ASTM D-4355	70 %	70 %
Roll Sizes		12.5 ft. x 360 ft. 15 ft. x 300 ft.	3.81 m x 109.8 m 4.57 m x 91.5 m

NOTES:

1. The property values listed above are effective 7/7/10 and are subject to change without notice.
2. Values reported in weaker principal direction. All values listed are Minimum Average Roll Values (MARV) unless otherwise noted, 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.