



# C-50NW

# Product Specification

C-50NW 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 biological and naturally encountered chemicals, alkalis, acids and ultraviolet light exposure. C-50NW conforms to the property values listed below:

<u>PROPERTY</u>	<u>TEST METHOD</u>	<u>MIN. AVG. ROLL VALUES</u>
<b><u>Mechanical</u></b>		
Grab Tensile Strength	ASTM D4632	150 lbs.
Grab Elongation	ASTM D4632	50%
Puncture Strength	ASTM D4833	85 lbs.
Mullen Burst	ASTM D3786	280 psi
Trapezoidal Tear	ASTM D4533	60 lbs.
<b><u>Hydraulic</u></b>		
Apparent Opening Size (AOS)	ASTM D4751	70 U.S. Sieve 0.212 mm
Permittivity	ASTM D4491	1.40 sec-1
Permeability	ASTM D4491	0.23 cm/sec
Water Flow Rate	ASTM D4491	115 gpm/sf
<b><u>Physical</u></b>		
Mass Per Unit Area	ASTM D5261	4.8 oz/sy
Thickness, t	ASTM D5199	55 mils
<b><u>Endurance</u></b>		
UV Resistance (% Retained @ 500 hours)	ASTM D4355	70%

**Notes:**

Values shown are in weaker principal direction. Minimum average roll values represent a 95 percent confidence level calculated as the mean minus two standard deviations.  
Standard roll widths = 12.5 ft and 15 ft. Standard roll length = 360 ft.

## SPECIALTY CONSTRUCTION SUPPLY

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