

C-45NW

C-45NW is a polypropylene; staple fiber needle punched nonwoven geotextile. The fibers are needed 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-45NW conforms to the property values listed below:

<u>PROPERTY</u>	<u>TEST METHOD</u>	<u>MIN. AVG. ROLL VALUES</u>
<u>Mechanical</u>		
Grab Tensile Strength	ASTM D4632	120 lbs.
Grab Elongation	ASTM D4632	50%
Puncture Strength	ASTM D4833	65 lbs.
Mullen Burst	ASTM D3786	230 psi
Trapezoidal Tear	ASTM D4533	50 lbs.
<u>Hydraulic</u>		
Apparent Opening Size (AOS)	ASTM D4751	70 U.S. Sieve 0.212 mm
Permittivity	ASTM D4491	1.50 sec-1
Permeability	ASTM D4491	0.22 cm/sec
Water Flow Rate	ASTM D4491	120 gpm/sf
<u>Physical</u>		
Mass Per Unit Area	ASTM D5261	4.0 oz/sy
Thickness, t	ASTM D5199	45 mils
<u>Endurance</u>		
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.