



GEOSYNTHETICS

CNM1000NT PRODUCT DATA SHEET

Our CNM1000NT is a needle-punched nonwoven geotextile made of polypropylene staple fibers, which are formed into a random network for dimensional stability. Our CNM1000NT resists ultraviolet deterioration, rotting, biological degradation, naturally encountered alkalis and acids. Polypropylene is stable within the pH range of 2 to 13. Our CNM1000NT is NTPEP certified and meets requirements as per AASHTO Standards and/or D.O.T. Standards.

Properties	Test Method	English MARV ²		Metric MARV ²	
MECHANICAL PROPERTIES					
Grab Tensile Strength	ASTM D4632	250 lbs		1.112 kN	
Grab Elongation	ASTM D4632	50%			
Trapezoidal Tear Strength	ASTM D4533	100 lbs		0.445 kN	
CBR Puncture Strength	ASTM D6241	700 lbs		3.115 kN	
HYDRAULIC PROPERTIES					
Permittivity ³	ASTM D4491	1.20 sec ⁻¹			
Water Flow ³	ASTM D4491	80 gpm/ft ²		3258 l/min/m ²	
Apparent Opening Size (AOS) ^{3,4}	ASTM D4751	100 US Sieve		0.15 mm	
ENDURANCE PROPERTY					
UV Stability	ASTM D4355	70% at 500 hours			
PACKAGING DETAILS					
Roll Width	Measured	12.5 ft	15 ft	3.81 m	4.57 m
Roll Length	Measured	360 ft	300 ft	109.73 m	91.44 m
Roll Area	Measured	500 yd ²		418 m ²	
Roll Weight	Measured	320 lbs		145 kg	
AASHTO CLASSIFICATION					
M288 Survivability Class		1			
M288 Application ⁵		SP, ST, D, E			

NOTE

¹ The property values listed above are subject to change without notice

² Minimum Average Roll Value (MARV) is calculated as the average minus two standard deviations. Statistically, it yields approximately 97.5% degree of confidence that any samples taken from quality assurance testing will meet or exceed the values described above. All values are MARV unless otherwise noted.

³ At time of manufacturing. Handling may change these properties.

⁴ Maximum Average Roll Value

⁵ S/F=Silt Fence, SP=Separation, ST=Stabilization, D=Drainage, E=Erosion Control

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