



GEOSYNTHETICS

CNM450NT PRODUCT DATA SHEET

Our CNM450NT is a needle-punched nonwoven geotextile made of polypropylene staple fibers, which are formed into a random network for dimensional stability. Our CNM450NT resists ultraviolet deterioration, rotting, biological degradation, naturally encountered alkalis and acids. Polypropylene is stable within the pH range of 2 to 13. Our CNM450NT 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	120 lbs		0.533 kN	
Grab Elongation	ASTM D4632	50%			
Trapezoidal Tear Strength	ASTM D4533	50 lbs		0.22 kN	
CBR Puncture Strength	ASTM D6241	310 lbs		1.379 kN	
HYDRAULIC PROPERTIES					
Permittivity ³	ASTM D4491	1.5 sec ⁻¹			
Water Flow ³	ASTM D4491	120 gpm/ft ²		4885 l/min/m ²	
Apparent Opening Size (AOS) ^{3,4}	ASTM D4751	70 US Sieve		0.212 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		109.73 m	
Roll Area	Measured	500 yd ²	600 yd ²	418 m ²	502 m ²
Roll Weight	Measured	152 lbs	180 lbs	69 kg	82 kg
AASHTO CLASSIFICATION					
M288 Survivability Class		3			
M288 Application ⁵		S/F, SP, ST			

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

Disclaimer: This information describes product properties at the time of manufacture and testing only and does not constitute or confer any warranties. Values stated will be affected over time by handling, storage, shipping, installation, use and other factors. Core & Main Geosynthetics does not provide engineering advice with respect to product use herein or otherwise and will not be liable for installation error. CORE & MAIN GEOSYNTHETICS DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY.

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