



## GEOSYNTHETICS

# CNM1600NT PRODUCT DATA SHEET

Our CNM1600NT is a needle-punched nonwoven geotextile made of polypropylene staple fibers, which are formed into a random network for dimensional stability. Our CNM1600NT resists ultraviolet deterioration, rotting, biological degradation, naturally encountered alkalis and acids. Polypropylene is stable within the pH range of 2 to 13. Our CNM1600NT is NTPEP certified and meets requirements as per AASHTO Standards and/or D.O.T. Standards.

Properties	Test Method	English MARV <sup>2</sup>	Metric MARV <sup>2</sup>
MECHANICAL PROPERTIES			
Grab Tensile Strength	ASTM D4632	380 lbs	1.69 kN
Grab Elongation	ASTM D4632	50%	
Trapezoidal Tear Strength	ASTM D4533	140 lbs	0.623 kN
CBR Puncture Strength	ASTM D6241	1025 lbs	4.559 kN
HYDRAULIC PROPERTIES			
Permittivity <sup>3</sup>	ASTM D4491	0.6 sec <sup>-1</sup>	
Water Flow <sup>3</sup>	ASTM D4491	50 gpm/ft <sup>2</sup>	2035 l/min/m <sup>2</sup>
Apparent Opening Size (AOS) <sup>3,4</sup>	ASTM D4751	100 US Sieve	0.15 mm
ENDURANCE PROPERTY			
UV Stability	ASTM D4355	70% at 500 hours	
PACKAGING DETAILS			
Roll Width	Measured	15 ft	4.57 m
Roll Length	Measured	150 ft	45.72 m
Roll Area	Measured	250 yd <sup>2</sup>	210 m <sup>2</sup>
Roll Weight	Measured	250 lbs	114 kg
AASHTO CLASSIFICATION			
M288 Survivability Class		1	
M288 Application <sup>5</sup>		SP, ST, D, E	

#### NOTE

<sup>1</sup> The property values listed above are subject to change without notice

<sup>2</sup> 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.

<sup>3</sup> At time of manufacturing. Handling may change these properties.

<sup>4</sup> Maximum Average Roll Value

<sup>5</sup> 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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