



GEOSYNTHETICS

CNM2197NT PRODUCT DATA SHEET

Our CNM2197NT woven geotextile is made of high tenacity monofilament polypropylene yarns, which are woven such that the yarns retain their relative position. Produced from first quality raw materials, these geotextiles offer optimum performance for use in reinforcement, stabilization and drainage applications. Our CNM2197NT resists ultraviolet deterioration, rotting, biological degradation, naturally encountered alkalis and acids. Polypropylene is stable within the pH range of 2 to 13. Our CNM2197NT 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 (MD x CMD)	ASTM D4632	365 lbs x 200 lbs	1.62 kN x 0.89 kN
Grab Elongation (MD x CMD)	ASTM D4632	24% x 15%	
Trapezoidal Tear Strength	ASTM D4533	115 lbs x 75 lbs	0.512 kN x 0.334 kN
CBR Puncture Strength	ASTM D6241	675 lbs	3.004 kN
HYDRAULIC PROPERTIES			
Permittivity ³	ASTM D4491	2.1 sec ⁻¹	
Water Flow ³	ASTM D4491	145 gpm/ft ²	5907 l/min/m ²
Percent Open Area (POA) ³	COE-02215	10%	
Apparent Opening Size (AOS) ^{3,4}	ASTM D4751	40 US Sieve	0.425 mm
ENDURANCE PROPERTY			
UV Stability	ASTM D4355	90% at 500 hours	
PACKAGING DETAILS			
Roll Width	Measured	12.5 ft	3.81 m
Roll Length	Measured	300 ft	91.5 m
Roll Area	Measured	417 yd ²	349 m ²
Roll Weight	Measured	180 lbs	82 kg
AASHTO CLASSIFICATION			
M288 Survivability Class		3	
M288 Application ⁵		D	

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, SS=Subgrade Stabilization

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