

Technical Specifications for
Nedia PTRM 3003D

Nedia PTRM 3003D is a synthetic, UV stabilized High Performance Turf Reinforcement Mat manufactured by weaving continuous, high strength synthetic threads through a proprietary process to form a three-dimensional, lofty pattern. It is a woven, homogeneous, single layer HP-TRM that contains no lamination stitching.

Property	Test Method	Typical Value	
		English Units	Metric Units
Mass/Unit Area	ASTM D6566	9.2 oz/sq.yd	312 gms/sq.m
Thickness	ASTM D6525	0.30 in	8 mm
Tensile Strength ¹ (MDxTD)	ASTM D6818	4000 x 3000 lb/ft	59 x 44 kN/m
Elongation ² (MDxTD)	ASTM D6818	25% x 22%	
Tensile Strength @ 15% Strain (MD x TD)	ASTM D6818	3000 x 3000 lb/ft	44 x 44 kN/m
Light Penetration	ASTM D6567	30% open	
Water Absorption	ASTM D1117	0%	
Resiliency	ASTM D6524	95%	
Porosity	Computed	96%	
UV Stability	ASTM G154 / D4355 / D7328	100% @ 500 hrs / 90% @6000 hrs	
Vegetation Establishment	ASTM D7322	423%	
Maximum Permissible Vegetated Sheer Stress	ASTM D6460	17 lbs./sf	814 Pa
Maximum Permissible Vegetated Velocity	ASTM D6460	25 ft./s	7.6 m/s
Permissible Vegetated Shear Stress @ 60-70% Coverage	ASTM D6460	12 lbs./sf	575 Pa
Permissible Vegetated Velocity @ 60-70% Coverage	ASTM D6460	16 ft./s	4.4 m/s
C _{FTRM}	N/A	0.26	

All Values reported as typical, unless otherwise noted

¹ Minimum Average Roll Value (MARV.)² Maximum

Standard Roll Sizes: 8' x 112.5' (2.44m x 34.3m) – 100 sy/roll



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