

Technical Specifications for

Nedia PTRM 640

Nedia PTRM 640 is a Permanent Turf Reinforcement Mat made with uniformly distributed 100% polypropylene fibers and three ultra-heavy weight polypropylene nets securely sewn together with UV stabilized polypropylene thread. Nedia PTRM 640 is suitable for slopes up to 1:1 and for high flow channels.

Index Value Properties:

Property	Test Method	Typical Value	
		English Units	Metric Units
Mass/Unit Area	ASTM D6566	19.9 oz/sq.yd	674.6 gm/sq.m
Thickness	ASTM D6525	0.41 in	10.4 mm
Tensile Strength (MD x TD)	ASTM D6818	1,232 x 1,270 lb/ft	18.0 x 18.5 kN/m
Elongation (MD x TD)	ASTM D6818	29.3% x 19.0%	
Light Penetration	ASTM D6567	13%	
Density	ASTM D792	0.913 g/cu. cm	
Resiliency	ASTM D6524	93%	
UV Resistance (1000 hr.)	ASTM D4355	100%	
Manning's N	Observed	0.028	

Channel Performance Design Values*:

Property	Test Method	Typical Value	
		English Units	Metric Units
Unvegetated Sheer Stress	ASTM 6460	3.3 psf	158 Pa
Unvegetated Velocity	ASTM 6460	12.1 ft/sec	3.7 m/sec
Vegetated Sheer Stress	ASTM 6460	14.0 psf	670 Pa
Vegetated Velocity	ASTM 6460	25.0 psf	7.6 m/sec

*Large-Scale Results obtained by 3rd Party GAI Accredited Independent Laboratory

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



www.nedia.com



info@nedia.com