



Product Data Sheet

■ Landlok® TRM-1060

Carthage Mills’ Landlok® TRM-1060 turf reinforcement mat is a permanent nondegradable composite consisting of a lofty web of black polypropylene fibers between two high strength biaxially oriented nets that are mechanically bound together by parallel lock-stitching using polypropylene thread. In addition to reinforcing and enhancing vegetation performance in critical applications, TRM-1060 was also designed for those demanding conditions in which soil filling has been specified for maximum performance. The excellent strength and elongation properties of the matrix limit stretching in saturated conditions, and the UV stabilized synthetic construction of TRM-1060, along with its heavier weight, make it ideal for long-term ground cover and erosion protection.

PROPERTY	TEST METHOD	DATA	
		METRIC	ENGLISH
<input type="checkbox"/> Physical			
Mass Per Unit Area	ASTM D 6566	475 g/m ²	14.0 oz/yd ²
Thickness	ASTM D 6525	15.2 mm	0.60 in
Resiliency		80%	
Moisture Absorption	ASTM D 570	0.01% (max)	
Porosity	Calculated	95%	
Ground Cover Factor	ASTM D 6567	60%	
<input type="checkbox"/> Performance / Design Values			
Shear Stress – Short Duration	Maximum design values listed were obtained under unvegetated and vegetated, short-term (0.5 hrs) flow conditions providing <0.5 inches (12.5 mm) of channel deformation.		
Vegetated		380 N/m ²	8 lb/ft ²
Unvegetated		240 N/m ²	5 lb/ft ²
<i>Natural Vegetation – Class C¹</i>		45 N/m ²	1 lb/ft ²
Velocity – Short Duration			
Vegetated		6.1 m/sec	20 ft/sec
Unvegetated	4.3 m/sec	14 ft/sec	
<i>Natural Vegetation – Class C¹</i>	1.5 m/sec	5 ft/sec	
<input type="checkbox"/> Endurance			
UV Resistance	ASTM D 4355	80% @ 1000 hrs	
<input type="checkbox"/> Mechanical			
Tensile Strength	ASTM D 6818	4.02 x 3.28 kN/m	275 x 225 lb/ft
Tensile Elongation		40% (max)	
<input type="checkbox"/> Dimensional			
Standard Roll Size / Packaging (Special sizes, packaging and fabrication are available.)	Measured (Typical)	2.0 m x 42.2 m 83.6 m ² 39.5 kg 71.1 cm diameter	6.5 ft x 138.5 ft 100 yd ² 87 lbs 28 in. diameter

¹ Values for ‘Natural Vegetation’ are listed for comparison purposes only.

Unless otherwise noted, all properties reported are Minimum Average Roll Values (MARV), and are calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any sample taken during quality assurance testing will exceed the value reported.

The properties reported above are effective 03/11/04 and are subject to change without notice.

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