

TE-PS42

TURF REINFORCEMENT MAT



TE-PS42 turf reinforcement matting is manufactured from a composition of 67% polypropylene fiber and 33% agricultural straw stitched between a black UV stabilized polypropylene top net with a mesh size of 1.34 x 1.27 cm (0.53 x 0.5 in) and a black UV stabilized polypropylene bottom net with a mesh size of 1.59 x 1.59 cm (0.626 x 0.626 in). The “PS” and “4” represent the polypropylene and straw fiber applied at a minimum of 400 g/m² (0.75 lbs/yd²) and the “2” represents that the mat is netted on the top and bottom sides. TE-PS42 is a permanent turf reinforcement mat. The mat is sewn together on 38.1 mm (1.5 in) centers, with UV Stabilized polypropylene black thread. Each roll of TE-PS42 is packaged in clear shrink-wrap with a teal band and includes installation instructions.

Index Test Results From Bench Scale Testing (TRI Environmental Labs or NTPEP)

DESCRIPTION	TEST METHOD	PARAMETERS	UNIT ENGLISH (METRIC)	VALUE ENGLISH (METRIC)
Mass per Unit Area	ASTM D6566	Index Test	oz/yd ²	18.42
UV Stability	ASTM D4355	Index Test	% at 500 hours	90
Tensile Strength	ASTM D6818	Index Test	lb/in @ %	24.8 @ 24.6 11.2 @ 29.4
Thickness	ASTM D6525	Index Test	in	0.711
Ground Cover/Light Penetration	ASTM D6567	Index Test	% / %	87.2 / 12.8
Determination of Unvegetated RECP Ability to Protect Soil from Hydraulically-Induces Shear Stresses Under Bench-Scale Conditions	ASTM D7207 ECTC Method 3	Regression (Power Curve)	psf @ ½ in soil loss	3.2
TYPICAL ROLL DIMENSIONS				
Roll Dimensions			ft (m)	8 (2.44) x 84.3 (25.7) 16 (4.88) x 84.3 (25.7)
Roll Area			yd ² (m ²)	75 (62.7) 150 (125.4)
Roll Weight ± 10%			lbs (kg)	61 (28) 122 (56)

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TITAN ENVIRONMENTAL CONTAINMENT

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