

TE-PC42

TURF REINFORCEMENT MAT



TTE-PC42 turf reinforcement matting is manufactured from a composition of 67% polypropylene fiber and 33% coconut fiber 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 “PC” and “4” represent the polypropylene and coconut 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-PC42 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-PC42 is packaged in clear shrink-wrap with a blue band and includes installation instructions.

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

TESTED PROPERTY	TEST METHOD	UNIT ENGLISH (METRIC)	VALUE ENGLISH (METRIC)
Unvegetated Shear Stress	ASTM D 6460	lbs/ft ² (N/m ²)	≥ 2.0 (96)
Vegetated Shear Stress	ASTM D 6460	lbs/ft ² (N/m ²)	≥ 8.0 (383)
Vegetation Establishment	ASTM D 7322	-	PASS
Tensile Strength (MD)	ASTM D 6818	lbs/ft (kN/m)	≥ 175 (2.6)
Tensile Strength (TD)	ASTM D 6818	lbs/ft (kN/m)	≥ 175 (2.6)
Mass Per Unit Area	ASTM D 6566	oz/yd ² (g/m ²)	≥ 8.0 (271)
Thickness	ASTM D 6525	in (mm)	≥ 0.25 (6.35)
UV Stability	ASTM D 4355	% @ 1000 hours	≥ 80
TYPICAL ROLL DIMENSIONS			
Roll Dimensions		ft (m)	8 (2.44) x 112.5 (34.3) 16 (4.88) x 112.5 (34.3)
Roll Area		yd ² (m ²)	75 (62.7) 150 (125.4)
Roll Weight ± 10%		lbs (kg)	61 (28) 122 (56)

NOTES: Titan's TE-P42 turf reinforcement mat adheres to the minimum recommended values supplied by the Erosion Control Technology Council (ECTC). All values provided are typical.

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