

# Synthetic Fiber Permanent Erosion Control & Turf Reinforcement Mat

## GFP-12 Properties Table Certification


The permanent erosion control TRM to have the following minimum physical properties and test values.

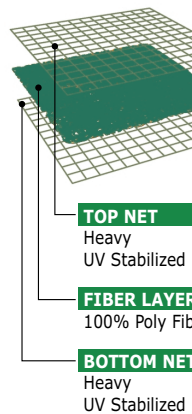
### Testing & Properties

Parameter / Method	GFP12
Netting Size (inches sq.) Top	0.63
Bottom	.625
Net Weight (lbs./1000 sq. ft.) Top	3.0
Bottom	3.0
Slope Recommendation	
Derived from comparative lab testing and field applications to Channels	1:1 or >
1 ASTM D5199 (mils) Min.	280
Thickness (inches) Min.	0.28
1 ASTM D5261 (Avg./lbs./ft <sup>2</sup> )	0.09
Mass per Unit Area (Avg./grams/m <sup>2</sup> )	690
1 ASTM D5035 (Avg./lbs./ft.) MD	503.2
Tensile Strength @ Peak TD	483.4
1 ASTM D5035 (Avg.%) MD	25
Elongation @ Peak TD	24
Roughness Coefficient Mannings "n"	0.024
Max Permissible Shear (lbs./ft <sup>2</sup> )	3.0
Unvegetated Direct Shear Value	

1. Precision Geosynthetic Laboratories

## GFP-12 Double Net Synthetic Fiber

Fiber	Polypropylene
Fiber Content	100%
Width (Feet/Meters)	8 / 2.4
Length (Feet/Meters)	67.5 / 20.5
Area (Square Yards / Square Meters)	60 / 50
Weight (Lbs. Sq. Yd. - Kg/Sq. Meters)	0.75 / .406
Weight per Blanket (Pounds/Kilograms)	45 / 20.4
Functional Longevity (Months)	Permanent
Top Netting Type (UV Stabilized Polypropylene)	Heavy
Bottom Netting Type (UV Stabilized Polypropylene)	Heavy
Product Color Code	



### Synthetic - Permanent



## Applications:

- Permanent Erosion Control of Slopes and Channels
- Long Term Erosion Protection of Poorly Vegetated Surfaces
- Permanent Turf Reinforcement of Properly Vegetated Surfaces

## The permanent erosion control turf reinforcement mat to meet the following requirements:

- To be constructed of 100% UV stabilized polypropylene fibers stitch bonded between heavy weight UV stabilized top and bottom netting. The netting layers are to be stitched bonded together on 1.5 inch centers with UV stabilized polypropylene monofilament thread for added hydraulic stability forming a permanent three dimensional reinforcement structure.
- The turf reinforcement mat to be Greenfix America GFP-12 or approved equivalent.
- Anchoring: 8 inch minimum length U shaped staples.
- See Greenfix TRM installation diagrams & supplement.

The GFP-12 is manufactured to provide extended long term erosion protection and permanent vegetation reinforcement in applications where the establishment of vegetative ground cover is expected to take more than three to five years and design conditions exceed the performance limits of un-reinforced vegetation.

