

TerraGrid® 180

TerraGrid® uniaxial geogrids are made up of high tenacity polyester yarns with a polymer coating. They are non-biodegradable and resistant to most soil chemicals, acids, and alkalis with a pH range of 4 to 9. TerraGrid® geogrids are manufactured to meet or exceed the following physical properties:

Property	Test Method	English	Metric
TENSILE PROPERTIES			
Ultimate Strength ^{1 2}	ASTM D6637	14,500 lbs/ft	211.6 kN/m
Creep Limited Strength ¹	ASTM D5262/D6992	9,602 lbs/ft	140.1 kN/m
LONG TERM DESIGN STRENGTH^{1 3}			
Sand, Silt, Clay		8,314 lbs/ft	121.3 kN/m
STANDARD PACKAGING^{1 12}			
Width		12 ft	3.66 m
Length		150 ft	45.7 m
Area		200 SY	167.2 m ²

1. Machine Direction (MD) strength (uniaxial strength)
2. Unless denoted otherwise, values represent Minimum Average Roll Values (MARVs) in the machine direction determined in accordance with ASTM D4759-02
3. LTDS or Tal = Tult / (RF creep 1.51 x RF installation damage 1.1 x RF durability 1.05), soil pH 4-9, 75 year design life
4. Hanes Geo reserves the right to change this specification at any time. The user is responsible to verify/use/reference the latest Product Data Sheet.

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