

TerraGrid® SR18

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	1,700 x 1,400 lbs/ft	24.8 x 20.4 kN/m
Creep Limited Strength ¹	ASTM D5262/D6992	1,076 x 866 lbs/ft	15.7 x 12.9 kN/m
LONG TERM DESIGN STRENGTH^{1,3}			
Sand, Silt, Clay		889 x 732 lbs/ft	12.9 x 10.7 kN/m
STANDARD PACKAGING^{1,12}			
Width		8 ft	2.43 m
Length		150 ft	45.7 m
Area		133.3 SY	111.5 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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