



**Construction Geosynthetics**

# SG175

STRATAGRID SG175 geogrids are constructed of high molecular weight and high tenacity polyester yarns utilizing a complex knitting process and polymer coating to provide superior engineering properties. STRATAGRID is engineered to be mechanically and chemically durable, in both the harsh construction installation phase and in aggressive soil environments (pH range from 3-9). STRATAGRID SG175 meets the following properties:

Property	Test Method	English	Metric
Ultimate Tensile Strength	ASTM D-6637 Meth. A	2,741 lbs/ft	40 kN/m
Creep Limited Strength	ASTM D-5262/D-6992	1,865 lbs/ft	27.2 kN/m
Long Term Design Strength (Sands, Silt and Clay)	LTDS or Tal	1,743 lbs/ft	25.4 kN/m
Molecular Weight (min.)	GRI GG8	25,000 g/mol	25,000 g/mol
Carboxyl End Group Count (max.)	GRI GG7	30 Meg/kg	30 Meg/kg

Roll Size	Roll Diameter	Area	Weight
6.25' x 288'	14.5 in	200 sqy	90 lbs