



GridLok 540

Soil Reinforcement

GridLok...The engineered choice in soil reinforcement

GridLok 540 geogrid is designed specifically for use in soil reinforcement applications. It is composed of high tenacity polyester yarns, PVC coated for added protection against most naturally occurring chemicals, biological agents, installation damage and for resistance to harmful ultraviolet exposure.

PROPERTY	VALUE
Wide Width Tensile Strength¹ (ASTM D6637)	5400 lb/ft
Creep Limited Strength (ASTM D5262)	3506 lb/ft
Long Term Design Strength² (NCMA 2009, Sands silts and clays)	2950 lb/ft
Molecular Weight (min) (GRI-GG8)	30,000 g/mol
Carboxyl End Group (CEG) Count (max) (GRI-GG7)	30 meq/kg
Roll size	6 ft x 300 ft. (200 sq-yds.)

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1) Minimum average roll values unless denoted otherwise.
2) LTDS = $T_{ult} / (RF_{creep} \times RF_{installation\ damage} \times RF_{durability})$ for sand, silt and clay soils.