



# GridLok 870

## Soil Reinforcement

*GridLok...The engineered choice in soil reinforcement*

**GridLok 870** 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
<b>Wide Width Tensile Strength<sup>1</sup> (ASTM D6637)</b>	<b>8700 lb/ft</b>
<b>Creep Limited Strength (ASTM D5262)</b>	<b>5916 lb/ft</b>
<b>Long Term Design Strength<sup>2</sup> (NCMA 2009, Sands silts and clays)</b>	<b>4845 lb/ft</b>
<b>Molecular Weight (min) (GRI-GG8)</b>	<b>30,000 g/mol</b>
<b>Carboxyl End Group (CEG) Count (max) (GRI-GG7)</b>	<b>30 meq/kg</b>
<b>Roll size</b>	<b>6 ft x 300 ft. (200 sq-yds.)</b>

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**Retaining Walls, LLC**

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.