SF 55
SOIL REINFORCEMENT GEOGRID
Uniaxial Geogrid
The Strength is in the length direction

SF 55 is composed of high molecular weight, high tenacity multifilament polyester yarns that are woven into a stable network placed under tension. The high strength polyester yarns are coated with a PVC material. SF SERIES Geogrids are inert to biological degradation and are resistant to naturally encountered chemicals, alkalis and acids. SF SERIES Geogrids are typically used for soil reinforcement applications such as retaining walls, steepened slopes, embankments, sub-grade stabilization, and embankments over soft soils and waste containment applications.

TENSILE PROPERTIES	TEST METHOD	MARV VALUES (LBS/FT)
Ultimate Strength	ASTM D 6637	4200
Creep Limited Strength	ASTM D 5262	2727
T_{al} = Long Term Design Strength	NCMA 97 *	2361
Aperture Size (ins.)	Measured	0.75 x 0.75 Or site specific as required

Reduction Factor for creep 1.54, reduction factor for durability 1.10 reduction factor for installation damage (type 3 soil) 1.05

FHWA/AASHTO Redution factor for creep 1.54, reduction factor for durability 1.15, Reduction Factor for installation damage (type 3 soil) 1.10

GRI GG4b Reduction factor for Creep 1.70, reduction factor for durability 1.10 reduction factor for installation damage (type 3 soil) 1.05