

# Synteen

## SF 20 BI Directional SOIL REINFORCEMENT GEOGRID

SF 20 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 Geogrids are inert to biological degradation and are resistant to naturally encountered chemicals, alkalis and acids. SF Geogrids are typically used for soil reinforcement applications such as retaining walls, steepened slopes, embankments, sub-grade stabilization, embankments over soft soils and waste containment applications.

March 2009

TENSILE PROPERTIES	TEST METHOD	MARV VALUES (LBS/FT)
Ultimate Strength Machine Direction	ASTM D 6637	2050
Ultimate Strength Cross Machine	ASTM D 6637	2050
Creep Limited Strength machine direction	ASTM D 5262	1331
T <sub>al</sub> = Long Term Design Strength Machine direction	NCMA 97	1099
T <sub>al</sub> Long term Design Strength Cross machine		1099
Aperture Size (ins.)	Measured	0.75 x 0.75

RF Creep - 1.54

RF Durability - 1.10

RF Installation Damage (Soil Type 3) - 1.10

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