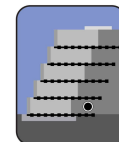




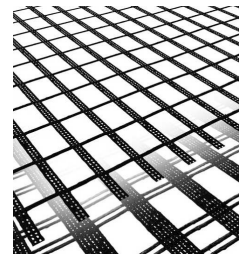
SGU300

Uni-Axial Knitted Geogrid

RETAINING WALL



STRATAGRID SGU300 (formerly SG1300) 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 SGU300 meets the following properties:



PROPERTY	TEST METHOD	ENGLISH	METRIC
Ultimate Tensile Strength	<u>ASTM D-6637</u>	20,556 lbs/ft	300 kN/m
Creep Limited Strength		14,275 lbs/ft	208.3 kN/m
(LTDS) Long Term Design Strength (sand/silt/clay)		12,128 lbs/ft	177 kN/m
Partial Factor -Environmental Effects Environment, $3 < \text{pH} < 9$	GRI-GG7, GRI-GG8)	1.1 RFd	1.1 RFd
Partial Factor -Installation Damage (sand/silt/clay)	ASTM D 5818	1.07 RFid	1.07 RFid
Reduction Factor - Creep (@20°C, 114 years design life)		1.44	1.44

SGU300 Shipping & Packaging Information

SIZE	DIAMETER	WIDTH	WEIGHT	AREA	ROLLS PER TRAILER
12.5' x 288'	19"	12.5'	629 lbs	400 y ²	68

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