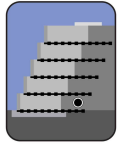




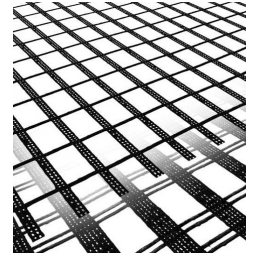
SGU40

Uni-Axial Knitted Geogrid

RETAINING WALL



STRATAGRID SGU40 (Formerly SG170) 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 SGU40 meets the following properties:



PROPERTY	TEST METHOD	ENGLISH	METRIC
Ultimate Tensile Strength	<u>ASTM D-6637</u>	2,740 lbs/ft	40 kN/m
Creep Limited Strength		1,903 lbs/ft	27.8 kN/m
(LTDS) Long Term Design Strength (sand/silt/clay)		1,573 lbs/ft	23 kN/m
Partial Factor -Environmental Effects Environment, 3 < pH < 9	GRI-GG7, GRI-GG8)	1.1 RFd	1.1 RFd
Partial Factor -Installation Damage (sand/silt/clay)	ASTM D 5818	1.1 RFid	1.1 RFid
Reduction Factor - Creep (@20°C, 114 years design life)		1.44	1.44

SGU40 Shipping & Packaging Information

SIZE	DIAMETER	WIDTH	WEIGHT	AREA	ROLLS PER TRAILER
6.25' x 288'	11"	6.25'	78 lbs	200 y ²	352
12.5' x 288'	12"	12.5'	169 lbs	n/a	254
n/a	n/a	n/a	n/a	400 y ²	n/a

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