

BaseGrid 12



GeoCHEM
INCORPORATED

Single Layer Bi-Axial Geogrids

BaseGrid 12 is an integrally formed, polypropylene, bi-axial geogrid with a load transfer mechanism of positive mechanical interlock. BaseGrid 12 is designed for base reinforcement and subgrade improvement. BaseGrid 12 meets the following M.A.R.V. values except where noted:



PROPERTY	TEST METHOD	ENGLISH	METRIC
Aperture Dimensions (Nominal)	Measured	1.0 x 1.3 inches	25 x 33 mm
Minimum Rib Thickness (Nominal)	Measured	0.05 x 0.05 inches	1.27 x 1.27 mm
Tensile Strength @ 2% Strain	ASTM D-6637-01	410 x 620 lb/ft	6.0 x 9.0 kN/m
Tensile Strength @ 5% Strain	ASTM D-6637-01	810 x 1,340 lb/ft	11.8 x 19.6 kN/m
Ultimate Tensile Strength	ASTM D-6637-01	1,310 x 1,970 lb/ft	19.2 x 28.8 kN/m
Junction Efficiency	GRI-GG2-05	93%	93%
Flexural Stiffness	ASTM D-5732-01	750,000 mg-cm	750,000 mg-cm
Aperture Stability	US Army Corps Method (Torsional Rigidity)	0.65 m-N/deg	0.65 m-N/deg
Resistance to Installation Damage (SC-SW-GP)	ASTM D-5818-06/ASTM D-6637-01	95%SC/93%SW/90%GP	95%SC/93%SW/90%GP
Resistance to Long Term Degradation	EPA 9090	100%	100%
Resistance to UV Degradation @ 500 Hours	ASTM D-4355-05	100%	100%

ROLL SIZE	AREA	WEIGHT
13.1' x 164'	239 sys	135 lbs

This information is provided for reference only and is not intended as a warranty or guarantee. GeoCHEM, Inc. assumes no liability in connection with the use of this information (1/2013).

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