



BaseGrid 42

BaseGrid 42 is an integrally formed, polypropylene, bi-axial geogrid with a load transfer mechanism of positive mechanical interlock. BaseGrid 42 is designed for base reinforcement and subgrade improvement. BaseGrid 42 meets the following M.A.R.V. values except where noted:

Property	Test Method	English	Metric
Aperture Dimensions (Nominal)	Measured	1.3 x 1.3 inches	33 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	380 x 510 lb/ft	5.5 x 7.4 kN/m
Tensile Strength @ 5% Strain	ASTM D-6637	720 x 1,000 lb/ft	10.5 x 14.6 kN/m
Ultimate Tensile Strength	ASTM D-6637	1,400 x 1,610 lb/ft	20.5 x 23.5 kN/m
Junction Efficiency	GRI-GG2-05	93%	93%
Flexural Stiffness	ASTM D-7748	750,000 mg-cm	750,000 mg-cm
Aperture Stability	USCOE Method (Torsional Rigidity)	0.48 m-N/deg	0.48 m-N/deg
Resistance to Installation Damage (SC-SW-GP)	ASTM D-5818/ASTM D-6637	90%SC/83%SW/75%GP	90%SC/83%SW/75%GP
Resistance to Long Term Degradation	EPA 9090	100%	100%
Resistance to UV Degradation @ 500 Hours	ASTM D-4355	100%	100%

Roll Size	Roll Diameter	Area	Weight
13.1' x 164'	13.0 in	239 sq yd	113 lbs