



## GGG 1100 Geogrid

GGG 1100 is an integrally formed biaxial geogrid made of extruded 100% polypropylene. The load transfer mechanism is a positive mechanical interlock. GGG 1100 is primarily used for base reinforcement or subgrade improvement. GGG 1100 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. GGG 1100 meets or exceeds the physical property values listed below:

Property	Test Method	Units	MD M.A.R.V.	XMD M.A.R.V
Aperture Dimensions		inches	1.0	1.3
Minimum Rib Thickness		inches	0.03	0.03
Tensile Strength @ 2% Strain	ASTM 6637	lb/ft	280	450
Tensile Strength @ 5% Strain	ASTM 6637	lb/ft	580	920
Ultimate Tensile Strength	ASTM 6637	lb/ft	850	1300
Junction Efficiency		%	93	
Flexural Stiffness		mg-cm	250,000	
Aperture Stability		m-N/deg	0.32	
Resistance to UV	ASTM 4355	% strength retained	100	