

Biaxial Geogrid

Product Comparison

Property	Test Method	Units	StrataBase SB11	StrataBase SB12	StrataBase SB30	Tensor BX1100	Tensor BX1200	Tensor BX1500
Ultimate tensile strength, MD/CD	ASTM D 6637	lb/ft	850 / 1300	1310 / 1970	2055 / 2055	850 / 1300	1310 / 1970	1850 / 2050
Tensile strength @ 2 %, MD/CD	ASTM D 6637	lb/ft	280 / 450	410 / 620	685 / 685	280 / 450	410 / 620	580 / 690
Tensile strength @ 5 %, MD/CD	ASTM D 6637	lb/ft	580 / 920	810 / 1340	1370 / 1370	580 / 920	810 / 1340	1200 / 1370
Tensile modulus @ 2 %, MD/CD	ASTM D 6637	lb/ft	14000 / 22500	20500 / 31000	34250 / 34250	14000 / 22500	20500 / 31000	29000 / 34500
Tensile modulus @ 5 %, MD/CD	ASTM D 6637	lb/ft	11600 / 18400	16200 / 26800	27400 / 27400	11600 / 18400	16200 / 26800	24000 / 27400
Aperture stability (Torsional Stiffness)	US COE Method	m-N/deg	0.32	0.65	0.75	0.32	0.65	0.75
Flexural Stiffness	ASTM D7748	mg-cm	250,000	750,000	2,500,000	250,000	750,000	2,000,000
Resistance to Installation Damage	ASTM D5818	%SC / %SW / %GP	95 / 95 / 90	95 / 95 / 90	95 / 95 / 90	95 / 93 / 90	95 / 93 / 90	95 / 93 / 90
Polymer type			PP	PP	PP	PP	PP	PP
Geogrid structure			Extruded	Extruded	Extruded	Extruded	Extruded	Extruded
Aperture dimensions		inches x inches	1.0 x 1.4	1.0 x 1.4	1.4 x 1.3	1.0 x 1.3	1.0 x 1.3	1.0 x 1.2
Rib Thickness		inches	0.05 x 0.04	0.08 x 0.05	0.08 x 0.07	0.03 x 0.03	0.05 x 0.05	0.07 x 0.2
Roll Dimensions (width x length)		ft	12.96 x 164	12.96 x 164	12.96 x 164	9.8, 13.1 x 246	9.8, 13.1 x 164	13.1 x 164
Roll Area		yd2	236	236	236	268 / 358	179 / 239	239

NP : indicates "Not Published"

Values shown are taken from published literature and are believed to be accurate.
Verification of reported values is the responsibility of the user/engineer.



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