StrataBase SB10 Product Data

STRATABASE™ is an integrally formed biaxial geogrid, which is especially designed for soil stabilization and reinforcement applications. StrataBase is manufactured from polypropylene, by process of extruding then longitudinal and transverse stretching. StrataBase features high tensile strength at low strain in both longitudinal (MD) and transverse (TD) directions and provides excellent structure stability and mechanical interlock performance.

APPLICATIONS

- Base Reinforcement
- Subgrade Reinforcement
- Secondary Reinforcement
- Embankment Stabilization

	Test Method	Units	MD Values[1]	TD Values[1]
INDEX PROPERTIES				
Polymer	-	-	Extruded Polypropylene (PP)	
Aperture Dimensions[2]	Caliber	inch (mm)	1.4 (36)	1.5 (38)
Rib Thickness[2]	ASTM D1777	inch (mm)	0.035 (0.9)	0.027 (0.7)
Tensile Strength @ 2% Strain[3]	ASTM D6637	lb/ft (kN/m)	342 (5)	342 (5)
Tensile Strength @ 5% Strain[3]	ASTM D6637	lb/ft (kN/m)	479 (7)	479 (7)
Ultimate Tensile Strength[3]	ASTM D6637	lb/ft (kN/m)	1027 (15)	1027 (15)
STRUCTURAL INTEGRITY				
Junction Efficiency[4]	GRI-GG2	%	93	
Overall Flexural Rigidity[5]	ASTM D7748	mg-cm	200,000	
DIMENSIONS AND DELIVERY				
Roll Width[2]	-	feet (m)	12.96 (3.95) / 19.52(5.95)	
Roll Length[2]	-	feet (m)	164 (50)	
Roll Weight[2]	-	lbs (kg)	79 (36) / 119(54)	

NOTES:

1. Values shown are minimum average roll values determined in accordance with ASTM D4759. MD – Machine Direction. TD – Transverse (cross-machine) direction.
2. Nominal dimensions or values, unless otherwise noted.
3. Determined in accordance with ASTM D6637 without applying pre-load or using "secant" or "offset" tangent methods.
4. Load transfer capacity between node and tensile ribs expressed as percentage of ultimate tensile strength.
5. Resistance to bending determined in accordance with ASTM D7748. Overall flexural rigidity is calculated as the square root of the product of the MD and TD flexural stiffness values.

STRATA

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Strata warrants that at the time of delivery the geogrid shall conform to the stated values herein. Specification is subject to change without notice. The sizing, use and selection of the products should be completed by a licensed design professional.

The product data herein reflect Strata System, Inc.'s expectation based on tests conducted in accordance with recognized standard methods. The sale of these products shall be subject to the Terms and Conditions of Sale as set forth in Strata Systems, Inc. sales forms. Such Terms and Conditions of Sale will provide that Strata Systems, Inc. will have no liability for consequential damages and will include certain limited express warranties concerning these products. ALL OTHER EXPRESS AND IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED BY STRATA SYSTEMS, INC. No agent, employee or representative of Strata Systems, Inc. is authorized to modify this disclaimer.

This product specification supersedes all prior specifications for the product described above and is not applicable to any products shipped prior to July 15, 2012.