HANES® GEO COMPONENTS™
A Leggett & Platt® COMPANY

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TerraGrid® SX1515

Product Data Sheet

TerraGrid SX1515 is an integrally formed biaxial geogrid composed of quality polypropylene and carbon black with no inclusion of post-consumer recycled resin. The punched and drawn (stretched) manufacturing process for ***TerraGrid SX1515*** produces the following interrelated characteristics.

		TerraGrid SX1515[1,3]			
PROPERTY	**PROCEDURE**	**MD**	**TD**	**MD**	**TD**
Geometric[2]					
Aperture Shape	Observed	Rectangular			
Aperture Open Area	Measured	75%			
Aperture Size (opening)	Measured	1.3 inch	1.3 inch	33 mm	33 mm
Rib Depth (height or thickness)	Measured	0.035 inch	0.025 inch	0.9 mm	0.6 mm
Rib Shape (cross section)	Observed	Rectangular			
Mechanical[3]					
Tensile Strength - Ultimate	ASTM D6637 Method A	1,030 lbs/ft	1,030 lbs/ft	15 kN/m	15 kN/m
Tensile Load @ 2% Strain		340 lbs/ft	340 lbs/ft	5 kN/m	5 kN/m
Tensile Load @ 5% Strain		700 lbs/ft	700 lbs/ft	10.2 kN/m	10.2 kN/m
Junction Efficiency	ASTM D7737	93%		93%	
Flexural Rigidity[4]	ASTM D7748	250,000 mg-cm		250,000 mg-cm	
Aperture Stability[5]	GRI-GG9	0.32 m-N/deg		0.32 m-N/deg	
Durability					
UV Degradation Resistance[2,6]	ASTM D4355	100%		100%	
	Standard Packaging	Width	Length	Width	Length
		13 ft	164 ft	4 m	50 m

Footnotes:

[1] The values presented on this Product Data Sheet are applicable to product shipped after January 1, 2015. The geogrid specified herein has not been tested, calibrated or validated in relation to any design methodology for either unpaved or flexible pavements. The manufacturer reserves the right to alter or modify products and descriptions without prior notice.
[2] Nominal values
[3] Unless otherwise indicated, values shown are minimum average roll values determined in accordance with ASTM D4759-02
[4] Resistance to bending force determined in accordance with ASTM D7748-12, using specimens of width two ribs wide, with transverse ribs cut flush with exterior edges of longitudinal ribs, and of length sufficiently long to enable measurement of the overhang dimension
[5] Resistance to in-plane rotational movement measured by applying a 20 kg-cm (2 m-N) moment to the central junction of a 9 inch x 9 inch specimen restrained at its perimeter in accordance with GRI GG9
[6] Resistance to loss of load capacity or structural integrity when subjected to 500 hours of ultraviolet light and aggressive weathering in accordance with D4355-05

TerraGrid is a registered trademark of Leggett & Platt, Inc.

***DISCLAIMER**: Hanes Geo Components warrants that the product characterized on this Product Data Sheet, when delivered, shall conform to the specifications described herein, and will replace the product or refund the purchase price upon notice of defect made within sixty days of delivery and prior to installation. **ALL OTHER WARRANTIES, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED.** The final determination as to the suitability of the product in any particular application rests solely with the purchaser. Hanes Geo Components reserves the right to alter or modify its products and descriptions at any time without notice.