

TerraGrid® RX1300

Product Data Sheet

Hanes Geo Product 32166

TerraGrid RX1300 is composed of quality polypropylene resin and carbon black with no post-consumer recycled resin inclusion. The punched-and-stretched (drawn) manufacturing process used for **TerraGrid RX1300** produces the following interrelated characteristics.

		TerraGrid RX1300 ¹			
PROPERTY	PROCEDURE	MD	TD	MD	TD
Geometric²					
Aperture Size	Measured	1.8 inch	2.5 inch	46 mm	64 mm
Rib Depth (Height or Thickness)	Measured	0.05 inch	0.05 inch	1.27 mm	1.27 mm
Mechanical³					
Tensile Strength – Ultimate	ASTM D6637-10 Method A	1,100 lbs/ft	1,920 lbs/ft	16.0 kN/m	28.0 kN/m
Tensile Load @ 2% Strain		380 lbs/ft	650 lbs/ft	5.5 kN/m	9.5 kN/m
Tensile Load @ 5% Strain		720 lbs/ft	1,200 lbs/ft	10.5 kN/m	17.5 kN/m
Junction Efficiency	ASTM D7737-11	93%		93%	
Flexural Stiffness ⁴	ASTM D7748-12	450,000 mg-cm		450,000 mg-cm	
Aperture Stability ⁵	GRI-GG9	0.58 m-N/deg		0.58 m-N/deg	
Durability					
UV Degradation Resistance ⁶	ASTM D4355-05	100%		100%	
Chemical Damage Resistance ⁷	EPA 9090A	100%		100%	
Installation Damage Resistance ⁸	ASTM D5818/D6637	SC ≥ 91%, SW ≥ 83%, GP ≥ 72%		SC ≥ 91%, SW ≥ 83%, GP ≥ 72%	
	Standard Packaging	Width 13 ft	Length 164 ft	Area 239 sy	

Footnotes:

¹ The values presented on this Product Data Sheet are applicable to product shipped after January 1, 2015.

² Nominal dimensions

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

⁷ Resistance to loss or load capacity or structural integrity when subjected to chemically aggressive environments in accordance with EPA 9090 immersion testing.

⁸ Resistance to loss of load capacity or structural integrity when subjected to mechanical installation stress in clayey sand (SC), well graded sand (SW), and crushed stone classified as poorly graded gravel (GP). The geogrid shall be sampled in accordance with ASTM D5818 and load capacity shall be determined in accordance with ASTM D6637.

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.