HANES® GEO COMPONENTS™
A Leggett & Platt® COMPANY

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TerraGrid® U-MicroGrid

Product Data Sheet

High molecular weight, high-tenacity multifilament polyester yarns comprise the tensile load members of the **TerraGrid** "**U**" series of uniaxial geogrids. These yarns are knitted into a dimensionally stable network then polymeric compound coated to protect against U.V. exposure and harsh installation damage stresses. The specific carboxyl end group and molecular weight yarns provide additional protection from chemical attack when placed within more aggressive soil environments (pH of 3-9). **TerraGrid** knitted uniaxial geogrids are non-biodegradable.

Tensile Strength	**Procedure**	**Symbol**	**Value[1] - MD x TD** lbs/ft	**Value[1] - MD x TD** kN/m
Ultimate Strength[2]	ASTM D6637	T_{ult}	2,000 x 2000	29.2 x 29.2
Aperture Geometry	**Procedure**		**Value – MD x TD** inches	**Value – MD x TD** mm
Aperture Size	Measured		0.25 x 0.10	6.35 x 2.54

Standard Packaging	**Width**	**Length**	**Area**	**Weight[6]**	**Width**	**Length**	**Area**	**Weight[6]**
	8.0 ft	225 ft	200 yd^2	65 lbs	2.44 m	68.6 m	167.2 m^2	29.5 kg

Footnotes:
[1] Machine Direction (MD) strength | Transverse Direction (TD) strength
[2] Unless denoted otherwise, values represent Minimum Average Roll Values (MARVs) determined in accordance with ASTM D4759-02
[3] For permanent walls, the Tal needs to be factored for uncertainties; Typically RF uncertainties = 1.5
[4] Roll weight values are an average, including shipping cores. Actual roll weights may vary.

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***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.