HANES GEO COMPONENTS

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TerraGrid® TXG-5

TerraGrid® integrally formed triangle geogrids are composed of high-quality polypropylene resin and carbon black with no inclusion of postconsumer recycled materials. The punched and drawn process produces the following interrelated characteristics:

All values provided are intended for rapid comparison purposes, only. Please refer to a specific product's Product Data Sheet (PDS) and the disclaimers therein for a detailed listing of all characteristics, associated definitions and values needed for structure design, specification compliance review and product submittal purposes. Please Download PDS for all information transfer, printing and submittal purposes.

Property	Test Method	English	Metric
Rib Pitch[2]	Measured	1.6 in	40 mm
Node Thickness[2]	Measured	0.13 in	3.3 mm
Rib Thickness[2 3]	Measured	0.06 in	1.4 mm
Rib Shape	Observed	Rectangular	Rectangular
Aperture Shape	Observed	Trianglular	Trianglular
Junction Efficiency[4]	Measured	95 %	95 %
Aperture Stability[5]	Measured	8.0 kg-cm/deg	8.0 kg-cm/deg
Radial Stiffness, 0.5% Stain[6]	Measured	27,000 lbs/ft	394 kN/m
Isotropic Stiffness Ratio[7]	Measured	0.8	0.8
Resistance to Chemical Degradation[2 7]	Measured	100 %	100 %
UV Degradation Resistance[8]	Measured	100 %	100 %

1. Unless indicated otherwise, values shown are minimum average roll values determined in accordance with ASTM D4759; descriptions of test procedures are briefly described in the following notes.
2. Nominal values
3. Average at rib-junction
4. Expressed as a comparison of ASTM D7737 strength to ASTM D6637 strength of the same sample.
5. US Army COE, modified.
6. Determined from tensile stiffness measured in any in-plane axis from testing in accordance with ASTM D6637, modified.
7. The ratio between the minimum and maximum observed values of radial stiffness at 0.5% strain, measured on rib and midway between rib directions.
8. Resistance to loss of load capacity or structural integrity when subjected to aggressive chemical environment per EPA 9090, 120 hours.
9. Resistance to loss of load capacity or structural integrity when subjected to aggressive UV light environment per ASTM D4355, 500 hours.