



## ■ Lückenhaus Raugrid™ Geogrids

Raugrid™ geogrids are manufactured of high tenacity, high molecular weight polyester yarns<sup>1</sup> that are woven into a stable interlocking grid and PVC coated to provide protection during installation.

### English Values

PROPERTY	TEST METHOD	UNITS	2/2-20	3/3-20	4/2-15	6/3-15	8/3-20	10/3-20	13/3-20	15/3-20	
<input type="checkbox"/> <b>Mechanical</b>											
Wide Width Tensile, T <sub>ult</sub>											
MD	ASTM D 4595	lbs/ft	1308	2213	2843	4350	5288	6715	8857	10474	
TD			1432	2213	1459	1959	2089	2192	2158	2370	
Long Term Design Strength (LTDS) <sup>2</sup>	AASHTO 1996	lbs/ft	680	1151	1478	2260	2750	3492	4606	5445	
Creep Limited Strength	ASTM D 5262	lbs/ft	818	1383	1777	2719	3305	4199	5536	6546	
<input type="checkbox"/> <b>Reduction Factors</b>											
Creep, RF <sub>CR</sub>	ASTM D 5262	RF <sub>CR</sub>	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	
Durability, RF <sub>D</sub>	GRI: GG7 & GG8	RF <sub>D</sub>	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	
Installation Damage, RF <sub>ID</sub>	ASTM D 5818	RF <sub>ID</sub>	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	
<input type="checkbox"/> <b>Physical / Dimensional</b>											
Mass Per Unit Area (Typical)	ASTM D 5261	oz/yd <sup>2</sup>	6.6	8.0	7.7	10.6	12.9	15.8	18.1	19.0	
Aperture Size (MD x TD)	Measured	in.	0.8 x 0.8	0.8 x 0.8	0.6 x 0.6	0.6 x 0.6	0.8 x 0.8	0.8 x 0.8	0.8 x 0.8	0.8 x 0.8	
Standard Roll Sizes / Packaging		width x length	8.2 x 328	8.2 x 328	8.2 x 328	8.2 x 164	8.2 x 164	8.2 x 164	8.2 x 164	8.2 x 164	8.2 x 164
		yd <sup>2</sup>	298.8	298.8	298.8	149.4	149.4	149.4	149.4	149.4	149.4
		lbs	141	162	167	119	136	169	185	197	

<sup>1</sup> Raugrid™ geogrids are manufactured from polyester (PET) with a molecular weight (M<sub>n</sub>) >25,000 grams/mole and Carboxyl End Groups (CEG’s) <30 mmol/kg.

$${}^2 \text{LTDS} = \frac{T_{ULT}}{RF_{CR} \times RF_D \times RF_{ID}} = \text{LTDS} = \frac{T_{ULT} \text{ (MD)}}{1.52 \times 1.15 \times 1.10}$$

- Unless otherwise noted, all properties reported are Minimum Average Roll Values (MARV), and are calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any sample taken during quality assurance testing will exceed the value reported.
- The properties reported above are effective 05/18/04 and are subject to change without notice.

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