

# G-Grid HDPE Range Products HDPE Uniaxial Geogrid

## Technical Data Sheet

GEO-LINK HDPE Uniaxial Geogrid Dec.19<sup>th</sup>, 2009

G-Grid HDPE is a generic name for flexible synthetic mats or meshes used to stabilize large areas of soil. They are made of high strength plastics woven polyester yarns or glass fabric yarns and are typically package in rolls. Geogrids vary in strength and are rated by Long-Term Allowable Design Strength.

Items	Unit	Specification					
		HDPE 50	HDPE 65	HDPE 80	HDPE 100	HDPE 120	HDPE 160
Carbon Black Content	≥%	2	2	2	2	2	2
Tensile Strength	≥KN/m	50	65	80	100	120	160
Tensile Strength at 2% Elongation	≥KN/m	13	18	23	29	35	47
Tensile Strength at 5% Elongation	≥KN/m	25	35	44	55	65	85
Yield Elongation Ratio	≤%	12	12	12	12	12	12
Maximum Creep Strength	KN/m	24.1	25.5	31	39	46	60
Approx Load Q'ty per 40'HQ	m <sup>2</sup>	40000	32950	31900	30000	25080	18750

*Above values are on an average basis, the data was obtained from in-house test laboratory, National test institutes and international test institutes. GEO-LINK keeps the right of data changes and the final explanation right. Liability Exclusion: This publication should not be construed as engineering advice. While information contained here is accurate to the best of our knowledge, GEO-LINK does not warrant its accuracy or completeness. The only warranty made by GEO-LINK for its products is set forth in our Product Test Report accompanies our shipment of the products, or such other written warranty as may be agreed by GEO-LINK and customer. GEO-LINK specifically disclaims all other warranties, express or implied, including without agreed by GEO-LINK and customer. GEO-LINK specifically disclaims all other warranties, express or implied, including without limitation, warranties of merchantability or fitness for a particular purpose, or rising from provision of samples, a course of dealing or usage of trade.*

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