

PRODUCT DATA SHEET

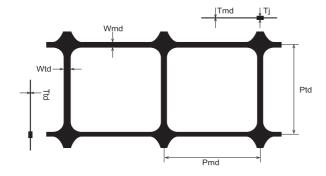
Polymer: Polypropylene

Resistance to Ultra-Violet Light: A High level of resistance to UV is given to E'GRID Geogrids by the incorporation of weathering-grade carbon black⁽¹⁾, well dispersed in the polymer matrix. These products may be used for many years in exposed conditions.

Chemical and Biological Resistance: E'GRID Bi-Axial Geogrids are manufactured from Polypropylene which is unaffected by all chemicals, including acids, alkalis and salts, normally found in soils. Also it is not a nutrient, therefore, these products will not be affected by micro-organisms in soil.

SPECIFICATION: PROPERTIES

	Tensile Strength (kN/m) ⁽²⁾			Junction			
Product			2% 5	Strain	5% 5	Efficiency	
	MD	TD	MD	TD	MD	TD	(%) ⁽⁴⁾
E'GRID 1616	16	16	5.8	5.8	11.6	11.6	≥95%
E'GRID 2020	20	20	7.6	7.6	15.3	15.3	≥95%
E'GRID 2020L	20	20	7.6	7.6	15.3	15.3	≥95%
E'GRID 3030	30	30	11.0	11.0	21.6	21.6	≥95%
E'GRID 3030L	30	30	12.0	12.5	24.0	25.0	≥95%
E'GRID 4040	40	40	14.5	15.0	28.0	29.0	≥95%
E'GRID 4040L	40	40	15.0	15.0	29.0	29.0	≥95%



Note 1 Carbon Black content $\geq 2.0\%$.

Note 2 All Strength and Load figures are based on test results from the manufacturer's laboratory measured in accordance with ISO 10319 at the temperature of 21± 1°C and calculated as a lower 95% Confidence limit in accordance with ISO 2602.

Note 3 Other Roll sizes are available to order.

Note 4 Measured by comparing the results of tests in accordance with test methods GRI/GG2 and GRI/GG1.

SPECIFICATION: TYPICAL DIMENSIONS

Product	Pitch Size (mm)		Rib Width (mm)		Rib Depth (mm)		Tj	Standard Roll	
	Pmd	Ptd	Wmd	Wtd	Tmd	Ttd	(mm)	Sizes (3)	
E'GRID 1616	40	40	2.0	2.4	1.1	1.0	3.2	390m ² (3.9m x 100m)	
E'GRID 2020	40	40	2.0	2.4	1.6	1.4	3.8	200m ² (3.9m x 51.3m)	
E'GRID 2020L	66	66	3.3	4.0	1.4	1.2	4.0	200m ² (3.9m x 51.3m)	
E'GRID 3030	40	40	2.2	2.7	2.4	1.8	4.0	200m ² (3.9m x 51.3m)	
E'GRID 3030L	66	66	3.3	4.0	2.0	1.4	4.5	200m ² (3.9m x 51.3m)	
E'GRID 4040	37	37	2.1	2.8	3.2	2.0	4.5	120m ² (3.9m x 30.8m)	
E'GRID 4040L	61	61	3.5	5.0	2.6	2.4	5.8	120m ² (3.9m x 30.8m)	

E'GRID is a Registered Trade Mark

BOSTD Geosynthetics Qingdao Ltd. Declares that all information is correct at the time of printing but reserves the right to make changes at any time.



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