

PRODUCT DATA SHEET

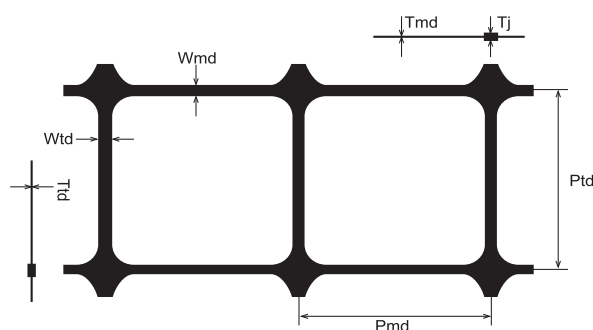
Polymer: Polypropylene

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

Product	Tensile Strength (kN/m) ⁽²⁾		Tensile Load (kN/m)				Junction Efficiency (%) ⁽⁴⁾
			2% Strain		5% Strain		
	MD	TD	MD	TD	MD	TD	
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 ≥ 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 (mm)	Standard Roll Sizes ⁽³⁾
	Pmd	Ptd	Wmd	Wtd	Tmd	Ttd		
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

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