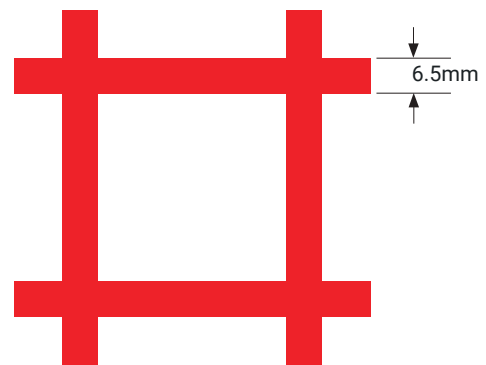


MECHANICAL AND PHYSICAL DATA OF STANDARD MESH MOULDED FIBREGLASS GRATING (25, 30, 38 AND 50MM)

Grating Depth (mm)	Bar Thickness		Per 300mm of Width				No. of Bars Per 300mm	% Glass Content	Weight KG/M	% Open Area
	Top	Btm	cm ²	cm ³	cm ⁴	El kG/m ²				
25x38	6.5	5.5	11.5	4.91	6.24	119	8	32	12	69
30x38	6.5	5.5	13.3	6.6	9.9		8	32	14.2	69
38x38	6.5	5.5	17.6	10.64	21.38	275	8	32	19	69
50x50.8	7.9	6.4	20.1	16.8	42.8		6	32	21.7	71

Weight

- 25 x 38mm*: 12KG/metre².
 - 30 x 38mm*: 14.2KG/metre².
 - 38 x 38mm*: 18KG/metre².
 - 50 x 50.8mm: 21.7KG/ metre².
- (* = 31.5mm opening)

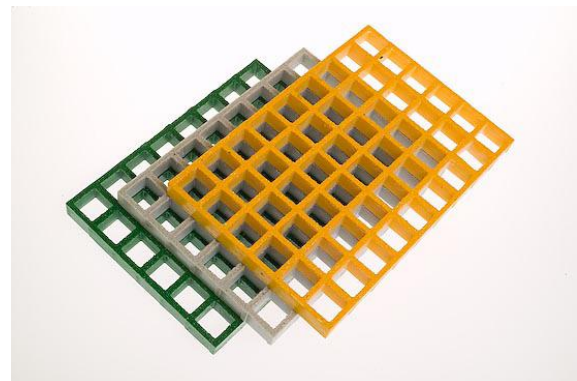


Mechanical Data

- Elastic Modulus 27GPa.
- Flexural Strength 2.8GPa.
- Tensile Strength 650MPa.
- Compressive Strength 90MPa.
- Dielectric Strength 18KW/mm.
- Specific Gravity 1.5÷1.7.
- Thermal Expansion Factor 13×10^{-6} mm/mm °C.
- Water Absorption 0.1% + 0.3% x 24 hours (ISO R62).
- Operating Temperature -100°C to +180°C.

Manufacturing Tolerances

- Standard Panel Size = +2mm, -0mm.
- Cut Panel Size = ±3mm.
- Thickness = ±1mm.
- Mesh Pattern = ±0.5mm.



FOR MORE INFO

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