

ECR GLASSFLAKE

MILLED

Grade GF300M



Technical Information

Extra Corrosion Resistant glassflake, manufactured from a modified C glass.

Chemical Analysis

SiO ₂	=	64 - 70%
K ₂ O	=	0 - 3%
B ₂ O ₃	=	2 - 5%
ZnO	=	1 - 5%
Na ₂ O	=	8 - 13%
MgO	=	1 - 4%
CaO	=	3 - 7%
Al ₂ O ₃	=	3 - 6%
TiO ₂	=	0 - 3%

Physical Properties

Apparent Density (H ₂ O=1)	0.25
Real Density (H ₂ O=1)	2.60
Softening Temperature DIM 52324	688°C
Melt Temperature (molten - flow)	930 - 1020°C
Refractive Index	1.52

Glass composition may vary slightly from batch to batch

Particle Size Distribution

By Malvern Mastersizer 3000
D50 = 105 - 130µm

Thickness

The nominal thickness of the glass is 2.3 - 3.3µm

Surface coatings

Glassflake materials are offered with the option of surface pre-treatment from the following range range of silane coupling agents;

- 3-Aminopropyltriethoxy Silane (Amino)
- Vinyl trimethoxy Silane (Vinyl)
- γ-Glycidoxypropyltrimethoxy Silane (Epoxy)
- Methacryloxypropyltrimethoxy Silane (Acrylic)

Packaging

GF300M is packed in 20kg (net.) anti-static, antislip, heat sealed PE sacks.
Bulk shipments are further packed in pallet boxes containing 15 sacks (300kg net.)
Pallet box dimensions are (L) 1200 x (W) 1100

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This information is given in good faith without guarantee or liability. All Values are approximate.