



ECR GLASSFLAKE MILLED Grade GF100M

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)	0.10
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 2000
D50 = 105 – 130µm

Thickness

The nominal thickness of the glass is 1.0 - 1.3µm

Oil Absorption

ASTM D281-12 - In a range of 400 - 460g/ 100g

Surface coatings

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

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

Packaging

GF100M is packed in 12.5kg (net.) anti-static, antislip, heat sealed PE sacks.
Bulk shipments are further packed in pallet boxes containing 14 sacks (175kg net.)
Pallet box dimensions are 1200 x 1100 x 800mm

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