ECR GLASSFLAKE
MICRONISED
Grade GF001

Technical Information

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

Chemical Analysis

SiO_2	=	64 - 70%
K_2O	=	0 - 3%
B_2O_3	=	2 - 5%
ZnO	=	1 - 5%
Na_2O	=	8 - 13%
MgO	=	1 - 4%
CaO	=	3 - 7%
Al_2O_3	=	3 - 6%
TiO_2	=	0 - 3%

Physical Properties

Apparent Density (H_2O=1)	0.35
Real Density (H_2O=1)	2.60
Softening Temperature DIM 52324	688^{O}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 = 27 - 32µm

Thickness

By **SEM/Thickness Analyser**
The nominal thickness of the glass is 1.0µm

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

GF001 is packed in 20kg (net.) anti-static, antislip, heat sealed PE sacks.
Bulk shipments are further packed in pallet boxes containing 14 sacks (280kg net.)
Pallet Box dimensions are (L) 1100 X (W) 800

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