C GLASSFLAKE
UNMILLED
Grade GF750C

Technical Information

Corrosion resistant glass flake is manufactured from C glass.

Chemical Analysis

SiO_2	=	64 - 70%
K_2O	=	0 - 3%
B_2O_3	=	2 - 7%
ZnO	=	0 - 5%
Na_2O	=	10 - 16%
MgO	=	1 - 5%
CaO	=	4 - 10%
Al_2O_3	=	0 - 5%
TiO_2	=	Nil

Physical Properties

Apparent Density (H_2O=1)	0.17
Real Density (H_2O=1)	2.60
Softening Temperature DIM 52324	660^{O}C
Melt Temperature (molten - flow)	930 - 1020^{O}C
Refractive Index	1.52

Glass composition may vary slightly from batch to batch

Particle Size Distribution

170um +/- 20

Thickness

The nominal thickness of the glass is 5 +/- 2µm

Surface coatings

Glassflake materials are offered with the option of surface pre-treatment with a range of silane coupling agents, listed below:

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

Packaging

GF750C 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 1200 x 1100 x 800mm

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