ECR GLASSFLAKE
MICRONISED
Grade GF002
Technical Information

Extra Corrosion Resistant Glassflake is 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%

Glass composition may vary slightly from batch to batch

Physical Properties

Apparent Density (H_2O=1)	0.55
Real Density (H_2O=1)	2.60
Softening Temperature DIM 52324	688^{O}C
Melt Temperature (molten - flow)	930 - 1020^{O}C
Refractive Index	1.52

Particle Size Distribution

>150µm	2% or less
150 - 50µm	10% or less
<50µm	88% or more

Thickness

The nominal thickness of the glass is 1.3 - 2.3µm

Oil Absorbtion g/100g

Range 140-170
ASTM D281-12

Surface coatings

Glassflake materials are offered with the option of surface pre-treatment with a range of silane silane coupling agents which are listed below;
3-Aminopropyltriethoxy Silane
Vinyl trimethoxy Silane
γ-Glycidoxypropyltrimethoxy Silane
Methacryloxypropyltrimethoxy Silane

Packaging

GF002 is packed in 25kg (net.) anti-static, antislip, heat sealed PE sacks
Bulk shipments are further packed in pallet boxes containing 20 sacks (500kg net.)
Pallet box dimensions are 1200 x 1100 x 800mm

Should further information regarding this product be required, please consult Glassflake Technical Services.

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