

ECR GLASSFLAKE MICRONISED Grade GF003



Technical Information

Electrically / corrosion resistant glass flake is manufactured from ECR 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)	0.70
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

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

Thickness

The nominal thickness of the glass is 2.3 - 3.3 µm

Oil Absorption

ASTM D281-12 - In a range of 110 - 130g/ 100g

Surface coatings

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

- 3-Aminopropyltriethoxy Silane
- Vinyl trimethoxy Silane
- γ-Glycidoxypropyltrimethoxy Silane
- Methacryloxypropyltrimethoxy Silane

Packaging

GF003 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

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