

ECR GLASSFLAKE

UNMILLED

Grade GF100



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)	0.085
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

1700 - 150µm	80% or more
< 150µm	20% or less

Thickness

The nominal thickness of the glass is 1.0 - 1.3 µm

Oil Absorption

ASTM D281-12 - In a range of 290 - 350g/ 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

GF100 is packed in 7.5kg (net.) anti-static, antislip, heat sealed PE sacks.
Bulk shipments are further packed in pallet boxes containing 14 sacks (105kg net.)
Pallet box dimensions are 1200 x 1100 x 800mm

Glassflake LTD
Forster Street Leeds LS10 1PW England
info@glassflake.com www.glassflake.com