

ECR GLASSFLAKE MILLED Grade GF750M



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) | 0.75 |
| 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

| | |
|--------------|-------------|
| 1000 - 300µm | 10% or less |
| 300 - 50µm | 65% or more |
| < 50µm | 25% or less |

Thickness

The nominal thickness of the glass is 6.5 - 8.5 µm

Oil Absorption

ASTM D281-12 - In a range of 135 - 165g/ 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

GF750M is packed in 25kg (net.) anti-static, antislip, heat sealed PE sacks.
Bulk shipments are further packed in pallet boxes containing 15 sacks (375kg net.)
Pallet box dimensions are 1200 x 1100 x 800mm

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