

E GLASSFLAKE UNMILLED Grade GF750E



Technical Information

High mechanical and dielectric strength glassflake, manufactured from E glass.

Chemical Analysis

| | | |
|--------------------------------|---|----------|
| SiO ₂ | = | 50 - 56% |
| K ₂ O | = | 0 - 0.1% |
| B ₂ O ₃ | = | 5 - 11% |
| ZnO | = | 0 - 5% |
| Na ₂ O | = | 0 - 0.5% |
| MgO | = | 0 - 5% |
| CaO | = | 16 - 25% |
| Al ₂ O ₃ | = | 12 - 16% |
| TiO ₂ | = | 0 - 2% |

Physical Properties

| | |
|--|---------------|
| Apparent Density (H ₂ O=1) | 0.5 |
| Real Density (H ₂ O=1) | 2.60 |
| Softening Temperature DIM 52324 | 820°C |
| Melt Temperature (molten - flow) | 1060 - 1140°C |
| Refractive Index | 1.56 |

Glass composition may vary slightly from batch to batch

Particle Size Distribution

By Malvern Mastersizer
D50 = 140 - 160µm

Thickness

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

Surface coatings

Glassflake materials are offered with the option of surface pre-treatment from the following range of silane coupling agents;

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

Packaging

GF750E is packed in 15kg (net.) anti-static, antislip, heat sealed PE sacks.
Bulk shipments are further packed in pallet boxes containing 10 sacks (150kg net.)
Pallet box dimensions are 1200 x 1100 x 800mm