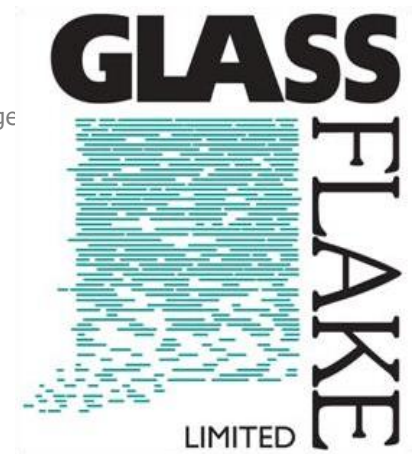


# GLASSFLAKE MICRONISED Grade GF001E



## Technical Information

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

### Chemical Analysis

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

### Physical Properties

Apparent Density (H <sub>2</sub> O=1)	0.35
Real Density (H <sub>2</sub> 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 = 27 - 32µm

### Thickness

The nominal thickness of the glass is 1.0 - 1.3 µm

### 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)
- Vinyl trimethoxy Silane (Vinyl)
- γ-Glycidoxypropyltrimethoxy Silane (Epoxy)
- Methacryloxypropyltrimethoxy Silane (Acrylic)

### Packaging

GF001E 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

This information is given in good faith without guarantee or liability. All Values are approximate.