

# E GLASS GLASSFLAKE MILLED Grade GF500M-E



## Technical Information

E type Glassflake is manufactured from an Electrical glass

### Chemical Analysis

SiO <sub>2</sub>	=	50 - 56%
K <sub>2</sub> O	=	0 - 3%
B <sub>2</sub> O <sub>3</sub>	=	11 - 18%
ZnO	=	0 - 1%
Na <sub>2</sub> O	=	0 - 5%
MgO	=	1 - 4%
CaO	=	16 - 22%
Al <sub>2</sub> O <sub>3</sub>	=	13 - 20%
TiO <sub>2</sub>	=	0 - 3%

*Glass composition may vary slightly from batch to batch*

### Physical Properties

Apparent Density (H <sub>2</sub> O=1)	0.5
Real Density (H <sub>2</sub> O=1)	2.60
Softening Temperature DIM 52324	700°C
Melt Temperature (molten - flow)	950 - 1150°C
Refractive Index	1.52

### 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 3.5 - 5.5µm

### 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

GF500M-E is packed in 20kg (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

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