

E GLASS GLASSFLAKE MILLED Grade GF100M-E



Technical Information

E type Glassflake is manufactured from an Electrical glass

Chemical Analysis

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

*Glass composition may vary
slightly from batch to batch*

Physical Properties

Apparent Density (H ₂ O=1)	0.09
Real Density (H ₂ O=1)	2.60
Softening Temperature DIM 52324	688 ^o C
Melt Temperature (molten - flow)	930 - 1020 ^o C
Refractive Index	1.52

Particle Size Distribution

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

Thickness

The thickness of the glass is 1.0 - 1.3µm

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

GF100M-E is packed in 15kg (net.) anti-static, antislip, heat sealed PE sacks
Bulk shipments are further packed in pallet boxes containing 12 sacks (180kg net.)
Pallet box dimensions are 1200 x 1100 x 800mm

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