

SILVER GLASSFLAKE MILLED Grade GF100M-AgFlake



Technical Information

AgFlake type Glassflake is manufactured from a modified C glass coated with Silver

Chemical Analysis

SiO ₂	=	55 - 75%
K ₂ O	=	0 - 4%
B ₂ O ₃	=	2 - 15%
ZnO	=	0 - 4%
Na ₂ O	=	3 - 12%
MgO	=	1 - 9%
CaO	=	1 - 9%
Al ₂ O ₃	=	3 - 12%
TiO ₂	=	0 - 4%

*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-AgFlake is packed in 20kg (net.) anti-static, antislip, heat sealed PE sacks
Bulk shipments are further packed in pallet boxes containing 12 sacks (240kg net.)
Pallet box dimensions are 1200 x 1100 x 800mm

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