

ECR GLASSFLAKE MILLED Grade GF500nmM Nanoflake™



Technical Information

Extra Corrosion Resistant glassflake, manufactured from a modified C glass.

Chemical Analysis

SiO ₂	=	64 - 70%
K ₂ O	=	0 - 3%
B ₂ O ₃	=	2 - 5%
ZnO	=	1 - 5%
Na ₂ O	=	8 - 13%
MgO	=	1 - 4%
CaO	=	3 - 7%
Al ₂ O ₃	=	3 - 6%
TiO ₂	=	0 - 3%

Physical Properties

Apparent Density (H ₂ O=1)	0.045
Real Density (H ₂ O=1)	2.60
Softening Temperature DIM 52324	688°C
Melt Temperature (molten - flow)	930 - 1020°C
Refractive Index	1.52

Glass composition may vary slightly from batch to batch

Particle Size Distribution

By Malvern Mastersizer 3000
D50 = 105 – 130 µm

Thickness

The nominal thickness of the glass is ca.500nm

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

GF500nmM is packed in 50kg (net.) anti-static, antislip, heat sealed PE sacks
Bulk shipments are further packed in pallet boxes containing 1 sack (50kg net.) Pallet
box dimensions are (L) 1200 x (W) 1100

Should further information regarding this product be required, please consult Glassflake Technical Services.

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Note: This information is offered in good faith, but without guarantee or liability.