

ECR GLASSFLAKE

UNMILLED

Grade GF500



Technical Information

Extra Corrosion Resistant Glassflake is 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%

Glass composition may vary slightly from batch to batch

Physical Properties

Apparent Density (H ₂ O=1)	0.14
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

1700-150µm	80% or more
<150µm	20% or less

Thickness

The 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

GF500 is packed in 15kg (net.) anti-static, antislip, heat sealed PE sacks
Bulk shipments are further packed in pallet boxes containing 10 sacks (150kg net.)
Pallet box dimensions are 1200 x 1100 x 800mm

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