

# LAG GLASSFLAKE MILLED Grade GF100M-LA



## Technical Information

LA type Glassflake is manufactured from a Low Alkali Glass

### Chemical Analysis

SiO <sub>2</sub>	=	64 - 70%
K <sub>2</sub> O	=	0 - 3%
B <sub>2</sub> O <sub>3</sub>	=	2 - 5%
ZnO	=	1 - 5%
Na <sub>2</sub> O	=	8 - 13%
MgO	=	1 - 4%
CaO	=	3 - 7%
Al <sub>2</sub> O <sub>3</sub>	=	3 - 6%
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)	0.09
Real Density (H <sub>2</sub> O=1)	2.60
Softening Temperature DIM 52324	688 <sup>o</sup> C
Melt Temperature (molten - flow)	930 - 1020 <sup>o</sup> 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 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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