

# ECR GLASSFLAKE MILLED Grade GF200M



## Technical Information

Extra Corrosion Resistant Glassflake is manufactured from a modified C 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<br>(H <sub>2</sub> O=1) | 0.25                      |
| Real Density<br>(H <sub>2</sub> O=1)     | 2.60                      |
| Softening Temperature<br>DIM 52324       | 688 <sup>o</sup> C        |
| Melt Temperature<br>(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 1.3 - 2.3µm

### 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

GF200M is packed in 20kg (net.) anti-static, antislip, heat sealed PE sacks  
Bulk shipments are further packed in pallet boxes containing 15 sacks (300kg net.)  
Pallet box dimensions are 1200 x 1100 x 800mm

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