

Ferro EG 2782 Specialty Glass

Category : Ceramic , Glass

Material Notes:

Glass Type: Ca-Si-B Typical Powder Form: VWG Typical Application: Sintering Aid Ferro offers a wide range of compositions for specialty applications including sintering aids used in the glass-phase bonding of refractory ceramic oxides and glass-ceramics for substrates. Information provided by Ferro Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ferro-EG-2782-Specialty-Glass.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------------------|---------------------------|------------------|
| Density | 2.52 g/cc | 0.0910 lb/in ³ | |
| Particle Size | 3.0 μm | 3.0 μm | 50% of particles |
| | $\leq 25 \mu\text{m}$ | $\leq 25 \mu\text{m}$ | |

| Thermal Properties | Metric | English | Comments |
|----------------------------|--|--|------------|
| CTE, linear | 6.20 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ | 3.44 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ | at Set Pt. |
| | 6.20 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ | 3.44 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ | |
| | @Temperature 260 $\text{Å}^\circ\text{C}$ | @Temperature 500 $\text{Å}^\circ\text{F}$ | |
| Softening Point | 745 $\text{Å}^\circ\text{C}$ | 1370 $\text{Å}^\circ\text{F}$ | |
| Transformation Temperature | 640 $\text{Å}^\circ\text{C}$ | 1180 $\text{Å}^\circ\text{F}$ | |

| Processing Properties | Metric | English | Comments |
|------------------------|------------------------------|-------------------------------|----------------------------|
| Processing Temperature | 850 $\text{Å}^\circ\text{C}$ | 1560 $\text{Å}^\circ\text{F}$ | Typical Firing Temperature |

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