

## Ferro CF 8463 Low-Temperature Sealing

Category : Ceramic , Glass

**Material Notes:**

VITREOUS Typical Powder Form: VSD, VWG Ferro's line of low-temperature sealing glasses are comprised of lead-borate (vitreous) and lead-zinc-borate crystallizing glasses formulated to meet specific thermal expansion requirements. Uses include hermetic and compression sealing of IC packages, plasma displays, CRTs, ferrites, fiber optics, as well as other ceramic, metal and glass substrate materials. Information provided by Ferro Corporation

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ferro-CF-8463-Low-Temperature-Sealing.php](http://www.lookpolymers.com/polymer_Ferro-CF-8463-Low-Temperature-Sealing.php)

Physical Properties	Metric	English	Comments
Density	6.22 g/cc	0.225 lb/in <sup>3</sup>	
Particle Size	3.5 $\mu\text{m}$	3.5 $\mu\text{m}$	50% of particles, (VWG Powder)
	$\geq 16 \mu\text{m}$	$\geq 16 \mu\text{m}$	50% of particles, (VSD Powder)
	$\leq 25 \mu\text{m}$	$\leq 25 \mu\text{m}$	VWG Powder
	$\leq 75 \mu\text{m}$	$\leq 75 \mu\text{m}$	VSD Powder

Mechanical Properties	Metric	English	Comments
Heat Seal Strength Initiation Temperature	450 $^{\circ}\text{C}$	842 $^{\circ}\text{F}$	15 min

Thermal Properties	Metric	English	Comments
CTE, linear	10.8 $\mu\text{m}/\text{m}\text{-}^{\circ}\text{C}$	6.00 $\mu\text{in}/\text{in}\text{-}^{\circ}\text{F}$	at Set Pt.
	10.2 $\mu\text{m}/\text{m}\text{-}^{\circ}\text{C}$ @Temperature 260 $^{\circ}\text{C}$	5.67 $\mu\text{in}/\text{in}\text{-}^{\circ}\text{F}$ @Temperature 500 $^{\circ}\text{F}$	
Softening Point	388 $^{\circ}\text{C}$	730 $^{\circ}\text{F}$	
Annealing Point	333 $^{\circ}\text{C}$	631 $^{\circ}\text{F}$	

## Contact Songhan Plastic Technology Co.,Ltd.

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