

## Ferro CF 1417 Low-Temperature Sealing

Category : Ceramic , Glass

**Material Notes:**

VITREOUS Typical Powder Form: VSD 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-1417-Low-Temperature-Sealing.php](http://www.lookpolymers.com/polymer_Ferro-CF-1417-Low-Temperature-Sealing.php)

Physical Properties	Metric	English	Comments
Density	5.60 g/cc	0.202 lb/in <sup>3</sup>	
Particle Size	>= 16 $\mu$ m	>= 16 $\mu$ m	50% of particles
	<= 75 $\mu$ m	<= 75 $\mu$ m	

Mechanical Properties	Metric	English	Comments
Heat Seal Strength Initiation Temperature	490 $\text{^\circ}$ C	914 $\text{^\circ}$ F	15 min

Thermal Properties	Metric	English	Comments
CTE, linear	9.60 $\mu$ m/m- $\text{^\circ}$ C	5.33 $\mu$ in/in- $\text{^\circ}$ F	at Set Pt.
	8.70 $\mu$ m/m- $\text{^\circ}$ C	4.83 $\mu$ in/in- $\text{^\circ}$ F	
	@Temperature 260 $\text{^\circ}$ C	@Temperature 500 $\text{^\circ}$ F	
Softening Point	427 $\text{^\circ}$ C	801 $\text{^\circ}$ F	
Annealing Point	356 $\text{^\circ}$ C	673 $\text{^\circ}$ F	

## Contact Songhan Plastic Technology Co.,Ltd.

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