

Ferro CF 7555 Low-Temperature Sealing

Category : Ceramic , Glass

Material Notes:

VITREOUS Typical Powder Form: VSD, TF 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-7555-Low-Temperature-Sealing.php

Physical Properties	Metric	English	Comments
Density	5.70 g/cc	0.206 lb/in ³	
Particle Size	10 - 16 μm	10 - 16 μm	50% of particles, (TF Powder)
	$\geq 16 \mu\text{m}$	$\geq 16 \mu\text{m}$	50% of particles, (VSD Powder)
	$\leq 75 \mu\text{m}$	$\leq 75 \mu\text{m}$	VSD Powder
	$\leq 75 \mu\text{m}$	$\leq 75 \mu\text{m}$	TF Powder

Mechanical Properties	Metric	English	Comments
Heat Seal Strength Initiation Temperature	460 $^{\circ}\text{C}$	860 $^{\circ}\text{F}$	15 min

Thermal Properties	Metric	English	Comments
CTE, linear	10.0 $\mu\text{m}/\text{m}\text{-}^{\circ}\text{C}$	5.56 $\mu\text{in}/\text{in}\text{-}^{\circ}\text{F}$	at Set Pt.
	8.70 $\mu\text{m}/\text{m}\text{-}^{\circ}\text{C}$ @Temperature 260 $^{\circ}\text{C}$	4.83 $\mu\text{in}/\text{in}\text{-}^{\circ}\text{F}$ @Temperature 500 $^{\circ}\text{F}$	
Softening Point	415 $^{\circ}\text{C}$	779 $^{\circ}\text{F}$	
Annealing Point	370 $^{\circ}\text{C}$	698 $^{\circ}\text{F}$	

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