

Ferro CF 7583 Low-Temperature Sealing

Category : Ceramic , Glass

Material Notes:

DEVITRIFYING Typical Powder Form: 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-7583-Low-Temperature-Sealing.php

Physical Properties	Metric	English	Comments
Density	6.08 g/cc	0.220 lb/in ³	
Particle Size	10 - 16 Åµm	10 - 16 Åµm	50% of particles
	<= 75 Åµm	<= 75 Åµm	

Mechanical Properties	Metric	English	Comments
Heat Seal Strength Initiation Temperature	480 Å°C	896 Å°F	5 min

Thermal Properties	Metric	English	Comments
CTE, linear	8.20 Åµm/m-Å°C	4.56 Åµin/in-Å°F	at Set Pt. (Fired Thermal Expansion)
	8.20 Åµm/m-Å°C @Temperature 260 Å°C	4.56 Åµin/in-Å°F @Temperature 500 Å°F	Fired Thermal Expansion
Softening Point	372 Å°C	702 Å°F	

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