

Epocast 927-1 GB

Epoxy; Epoxide

Huntsman Advanced Materials

Message:

DESCRIPTION: Epocast 927-1 GB epoxy syntactic is a frozen, one-component, structural material for reinforcing honeycomb parts that maintains high compressive strength at high temperatures. When thawed, the epoxy syntactic can be extruded from cartridges as a thixotropic paste. Epocast® 927-1 GB is qualified to RMS 027, type XV.

General Information			
Features	Good compressive strength		
Uses	Aerospace applications		
	Adhesive		
Appearance	White-like		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ASTM D1622
Mechanical	Nominal Value	Unit	Test Method
Compressive Strength			ASTM D695
25°C ¹	103	MPa	ASTM D695
177°C ²	89.6	MPa	ASTM D695
25°C	124	MPa	ASTM D695
177°C	75.8	MPa	ASTM D695
Additional Information	Nominal Value	Unit	Test Method
Extrudability (25°C)	> 1000	g/min	
Work Life - after thaw (25°C)	1.0	day	ASTM D1338
Recommended cure cycle: Heat the material from room temperature at the rate of 3-4°C per minute, plus 1 hour at 177°C or 90 minutes at 121°C. Cure temperature refers to temperature of material determined by thermocouple. (Slow heat rise to 3-4°C preferred to reduce shrinkage and minimize out-gassing during cure).			
NOTE			
1.	After 500 hours at 177°C		
2.	After 500 hours at 177°C		

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Recommended distributors for this material

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