

# Epocast 1617 A/B

Epoxy; Epoxide  
Huntsman Advanced Materials

Message:

DESCRIPTION: Epocast® 1617-A/B epoxy syntactic is a low-density, self-extinguishing compound for edge sealing honeycomb structures. The lightweight epoxy is an easy-to-handle material that exhibits high strength after curing. Epocast® 1617-A/B epoxy syntactic cures to an off-white color and is qualified to BMS 5-28, Type 17.

General Information			
Features	Low density		
	High strength		
	Self-extinguishing		
Uses	Components		
	Aerospace applications		
	Sealant		
Appearance	Amber		
	White-like		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			ASTM D1622
-- 1	0.650	g/cm <sup>3</sup>	ASTM D1622
-- 2	0.700	g/cm <sup>3</sup>	ASTM D1622
-- 3	1.05	g/cm <sup>3</sup>	ASTM D1622
Viscosity			ASTM D2196
-- 4	Paste		ASTM D2196
-- 5	Paste		ASTM D2196
Flammability	Self-extinguishing		
Gel Time - 50 gms (25°C)	1.0 - 1.5	hr	ASTM D2471
Cure Time (25°C)	7.0	day	
Tensile Lap Shear - AL/AL (25°C)	6.89	MPa	ASTM D1002
Weight Gain <sup>6</sup>			ASTM D543
Distilled water : 25°C		%	ASTM D543
Mil-M-5606, hydraulic fluid : 25°C		%	ASTM D543
Mil-S-3136, Type III test fluid : 25°C		%	ASTM D543
Skydrol 500-A : 25°C		%	ASTM D543
Mechanical	Nominal Value	Unit	Test Method
Compressive Modulus	1720	MPa	ASTM D695
Compressive Strength (25°C)	37.9	MPa	ASTM D695
Thermoset	Nominal Value	Unit	Test Method

Thermoset Components			
Resin	Mixing ratio by weight: 100		
Hardening method	Mixing ratio by weight: 20		
Thermoset Mix Viscosity <sup>7</sup>	50000	cP	ASTM D2196
Additional Information	Nominal Value	Unit	Test Method

CURE SCHEDULE: 7 days at 77°F (25°C) or gel at room temperature plus five hours at 125°F (52°C).

NOTE	
1.	Resin
2.	System
3.	Hardener
4.	System
5.	Resin
6.	on immersion - 24 hrs
7.	Hardener

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#### Recommended distributors for this material

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