

Epocast 1610-A1

Epoxy; Epoxide

Huntsman Advanced Materials

Message:

DESCRIPTION: Epocast® 1610-A1 epoxy syntactic is a very low density, self extinguishing, one-part compound with a long storage life at room temperature. It can be co-cured with composites in 90 minutes at 250°F (121°C). Epocast® 1610-A1 epoxy syntactic is well suited for replacing pre-cured foam or wood blocks in honeycomb panels. After curing under vacuum pressure, the lightweight epoxy produces high-strength areas for insert potting with no mark off. Epocast® 1610-A1 epoxy syntactic cures to an off-white color and is qualified to BMS 5-28, Type 10.

General Information			
Features	Low density		
	High strength		
	Self-extinguishing		
Uses	Aerospace applications		
Appearance	White-like		
Processing Method	potting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.500	g/cm ³	ASTM D1622
Mechanical	Nominal Value	Unit	Test Method
Compressive Strength (25°C)	16.5	MPa	ASTM D695
Shear Strength (25°C)	5.17	MPa	ASTM D732
Flammability	Nominal Value		
flammability-Vertical	Self-extinguishing		
Weight Gain ¹	4.0	%	ASTM D543
Work Life (25°C)	720.0	hr	ASTM D1338
Additional Information	Nominal Value	Unit	Test Method
CURE SCHEDULE: Raise temperature 5-7°F (3-4°C) per minute from room temperature to 260°F (127°C), then cure one hour at 260°F (127°C). Cool under vacuum to 150°F (66°C) before removing part.			
NOTE			

1. after 24 hrs water immersion

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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