

Epocast 1626 C1/D2

Epoxy; Epoxide
Huntsman Advanced Materials

Message:

DESCRIPTION: Epocast® 1626-C1/D2 epoxy syntactic foam is a fast-setting, two-component material designed for core filling, edge sealing, and bushing and fastener potting of honeycomb structures. The easy-handling viscous paste has low-flow characteristics. Epocast® 1626-C1/D2 epoxy syntactic foam is a toughened system which resists cracking and is especially suited for applications of high vibration and wide temperature cycling. This product has good retention of strength after environmental aging. Epocast® 1626-C1/D2 epoxy syntactic foam is qualified to BMS 5-28, Type 26 and SMS 116201, Type 3.

General Information			
Features	Shock absorption		
	Impact resistance, high		
	Foamable property		
	Low liquidity		
Uses	Bushings		
	Fasteners		
	Sealant		
	Fill application		
Appearance	Brown		
	White-like		
Processing Method	potting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
-- ¹	0.680	g/cm ³	ASTM D1622
-- ²	0.690	g/cm ³	ASTM D1622
Viscosity			ASTM D2196
25°C ³	Paste		ASTM D2196
25°C ⁴	Soft paste		ASTM D2196
25°C ⁵	Soft paste		ASTM D2196
Gel Time - 50 gms (25°C) ⁶	12.0	min	ASTM D2471
Tensile Lap Shear - AL/AL (25°C)	6.89	MPa	ASTM D1002
T-Peel - AL/AL	1.8	kN/m	ASTM D1876
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	7.58	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638

Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Resin	Mixing ratio by weight: 100		
Hardening method	Mixing ratio by weight: 54		
Shelf Life (25°C)	26	wk	
Additional Information	Nominal Value	Unit	Test Method
CURE SCHEDULE: 5-7 days at 77°F (25°C) or gel at 77°F (25°C) plus 1.5 hour at 260°F (127°C).			
NOTE			
1.	Hardener		
2.	System		
3.	System		
4.	Hardener		
5.	Resin		
6.	System		

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