

# Epocast 1626 A/B

Epoxy; Epoxide

Huntsman Advanced Materials

## Message:

DESCRIPTION: Epocast® 1626-A/B epoxy syntactic is a two-part compound designed for core filling, edge sealing, and bushing and fastener potting of honeycomb structures. The easy-to-handle viscous paste has low flow characteristics. Epocast® 1626-A/B epoxy syntactic is a toughened system which resists cracking and is especially well suited for applications that may involve exposure to high vibration and wide temperature cycling. Epocast® 1626-A/B epoxy syntactic has good retention of strength after environmental aging and is qualified to BMS 5-28, Type 26.

General Information			
Features	Shock absorption		
	Impact resistance, high		
	Foamable property		
	Low liquidity		
Uses	Bushing		
	Fasteners		
	Sealant		
	Fill application		
Appearance	Brown		
	White-like		
Processing Method	potting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			ASTM D1622
-- <sup>1</sup>	0.500	g/cm <sup>3</sup>	ASTM D1622
-- <sup>2</sup>	0.650	g/cm <sup>3</sup>	ASTM D1622
-- <sup>3</sup>	1.10	g/cm <sup>3</sup>	ASTM D1622
Viscosity			ASTM D2196
25°C <sup>4</sup>	Paste		ASTM D2196
25°C <sup>5</sup>	Paste		ASTM D2196
25°C <sup>6</sup>	Paste		ASTM D2196
Gel Time - 50 gms (25°C) <sup>7</sup>	1.0	hr	ASTM D2471
Tensile Lap Shear - AL/AL (25°C)	4.83	MPa	ASTM D1002
T-Peel - AL/AL	16.0	kN/m	ASTM D1876
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	48		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	4.14	MPa	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	28	J/m	ASTM D256
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Resin	Mixing ratio by weight: 100		
Hardening method	Mixing ratio by weight: 29		
Additional Information	Nominal Value	Unit	Test Method
CURE SCHEDULE: 7 days at 77°F (25°C) or 24 hours at 77°F (25°C), plus 2 hours at 160°F (71°C).			
NOTE			
1.	Resin		
2.	System		
3.	Hardener		
4.	System		
5.	Hardener		
6.	Resin		
7.	System		

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