

Epocast 169A-1 / Hardener 946

Epoxy; Epoxide

Huntsman Advanced Materials

Message:

DESCRIPTION: Epocast® 169A-1 Resin / 946 Hardener is a two-component, low-density, pourable epoxy system which cures at room temperature to a carvable, wood-like product. This epoxy syntactic system has good dimensional stability under changing humidity conditions. Epocast® 169A-1 resin / 946 hardener system is easy to use and is suitable for core filling and reinforcing honeycomb panels. It is qualified to SS-9587, Type 1.

General Information	
Features	Good dimensional stability
	Low density
Uses	Components
	Fill application
	General
Appearance	Brown
	Amber

Physical	Nominal Value	Unit	Test Method
Specific Gravity			ASTM D1622
-- ¹	0.560	g/cm ³	ASTM D1622
-- ²	0.680	g/cm ³	ASTM D1622
-- ³	1.00	g/cm ³	ASTM D1622
Viscosity			ASTM D2196
25°C ⁴	Pourable		ASTM D2196
25°C ⁵	Paste		ASTM D2196
Gel Time - 50 gms (25°C) ⁶	10.0 - 20.0	min	ASTM D2471

Mechanical	Nominal Value	Unit	Test Method
Compressive Strength (25°C)	23.4	MPa	ASTM D695
Shear Strength (25°C)	17.2	MPa	ASTM D732

Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Resin	Mixing ratio by weight: 100		
Hardening method	Mixing ratio by weight: 20		
Thermoset Mix Viscosity ⁷ (25°C)	350	cP	ASTM D2196

Additional Information

CURE SCHEDULE: 24 hours at 75 ± 5°F (24°C ± 2°C) or room temperature gel plus 1-3 hours at 150°F (66°C).

NOTE	
1.	Resin
2.	System

3.	Hardener
4.	System
5.	Resin
6.	System
7.	Hardener

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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

