

# Epocast 169A-1 / Hardener 9615

Epoxy; Epoxide

Huntsman Advanced Materials

## Message:

DESCRIPTION: Epocast® 169A-1 Resin / 9615 Hardener is a two-component, low-density epoxy syntactic which cures at room temperature to a carvable, wood-like product. The cured Epocast® 169A-1 Resin / 9615 Hardener system has good dimensional stability under changing humidity conditions. Epocast® 169A-1 Resin / 9615 Hardener is qualified to SS-9587, Type 1.

General Information			
Features	Good dimensional stability		
	Low density		
	Machinable		
Uses	Components		
	Fill application		
	General		
Appearance	Brown		
	Amber		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			ASTM D1622
-- <sup>1</sup>	0.560	g/cm <sup>3</sup>	ASTM D1622
-- <sup>2</sup>	0.680	g/cm <sup>3</sup>	ASTM D1622
-- <sup>3</sup>	0.960	g/cm <sup>3</sup>	ASTM D1622
Viscosity			ASTM D2196
25°C <sup>4</sup>	Paste		ASTM D2196
25°C <sup>5</sup>	Semi-paste		ASTM D2196
Gel Time - 100 gms (25°C) <sup>6</sup>	1.0 - 2.0	hr	ASTM D2471
Tensile Lap Shear - AL/AL	8.27	MPa	ASTM D1002
Mechanical	Nominal Value	Unit	Test Method
Compressive Strength	21.4	MPa	ASTM D695
Shear Strength	16.5	MPa	ASTM D732
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Resin	Mixing ratio by weight: 100		
Hardening method	Mixing ratio by weight: 50		
Thermoset Mix Viscosity <sup>7</sup> (25°C)	35000	cP	ASTM D2196
Additional Information	Nominal Value	Unit	Test Method
CURE SCHEDULE: 3 days at 75°F ± 5°F (23°C ± 3°C), or room temperature gel plus 2 hours at 150°F ± 10°F (66°C ± 6°C).			
NOTE			

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

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#### Recommended distributors for this material

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