

# EpoCast 35-A/9216

Epoxy; Epoxide  
Huntsman Advanced Materials

Message:

DESCRIPTION: EpoCast® 35-A/9216 resin is a two component, amber colored laminating resin designed for foundry applications and core supports, bonding fixtures, die facing for shaping heated metals and high temperature tools for urethane foaming. EpoCast® 35-A/9216 resin features excellent wetability of glass fabrics, quick setting at room temperature and excellent serviceability up to 400°F.

General Information			
Features	Thermal stability, good		
Uses	Laminate		
Appearance	Amber		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			ASTM D792
-- <sup>1</sup>	0.990	g/cm <sup>3</sup>	ASTM D792
--	1.14	g/cm <sup>3</sup>	ASTM D792
-- <sup>2</sup>	1.19	g/cm <sup>3</sup>	ASTM D792
Shrinkage <sup>3</sup>	0.10	%	ASTM D696
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	91		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus <sup>4</sup> (25°C)	24.1	MPa	ASTM D790
Flexural Strength <sup>5</sup> (25°C)	552	MPa	ASTM D790
Compressive Strength (25°C)	414	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	143	°C	ASTM D648
CLTE - Flow	1.5E-5	cm/cm/°C	ASTM D696
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Resin	Mixing ratio by weight: 100		
Hardening method	Mixing ratio by weight: 25		
Shelf Life (25°C)	52	wk	
Thermoset Mix Viscosity			ASTM D2196
-- <sup>6</sup>	4000	cP	ASTM D2196
-- <sup>7</sup>	3200	cP	ASTM D2196
--	3800	cP	ASTM D2196
Additional Information			
CURE SCHEDULE: Twenty-four hours at room temperature, plus two hours at maximum service temperature. May be accelerated with heat.			
Uncured Properties	Nominal Value	Unit	Test Method

Gel Time <sup>8</sup> (25°C)	60	min
NOTE		
1.	Hardener	
2.	Resin	
3.	Laminate after three hours at 150°F aging	
4.	Glass Laminate, Vacuum Cure	
5.	Glass Laminate, Vacuum Cure	
6.	Hardener	
7.	Resin	
8.	100 gms	

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#### Recommended distributors for this material

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