

**Advanced Materials****Epocast<sup>®</sup> 169A-1/9615 Epoxy Syntactic**

- General-purpose Syntactic
- Low Density
- Sandable and Machinable

**DESCRIPTION :**

Epocast<sup>®</sup> 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<sup>®</sup> 169A-1 Resin / 9615 Hardener system has good dimensional stability under changing humidity conditions. Epocast<sup>®</sup> 169A-1 Resin / 9615 Hardener is qualified to SS-9587, Type 1.

**TYPICAL PROPERTIES AS RECEIVED :**

<b><u>Property</u></b>	<b><u>169A-1 Resin</u></b>	<b><u>9615 Hardener</u></b>	<b><u>169A-1/9615 System</u></b>	<b><u>Test Method</u></b>
Color	Red-brown	Amber	Red-brown	Visual
Density, g/cc	0.56	0.96	0.68	ASTM-D-1622
Viscosity, cP at 77°F (25°C)	Paste	35,000	Semi-paste	ASTM-D-2196
Gel time, 100 gms at 77°F (25°C), minutes	--	--	60-120	ASTM-D-2471

**MIX RATIO :**

To 100 parts by weight of Epocast<sup>®</sup> 169A-1 resin, add 50 parts by weight of Hardener 9615. Mix both components thoroughly for 3-5 minutes to insure complete and uniform mixing.

**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).

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**TYPICAL CURED PROPERTIES** (Not for specification purposes)

<b>Test</b>	<b>Result</b>	<b>Test Method</b>
Compressive strength, psi (MPa)	3,100 (21.4)	ASTM-D-695
Tensile lap shear, AL/AL, psi (MPa)	1,200 (8.3)	ASTM-D-1002
Shear strength, psi (MPa)	2400 (16.6)	ASTM-D-732

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**STORAGE :**

Epocast® 169A-1 Resin/9615 Hardener should be stored in a dry place, in the sealed original container, at temperatures between +2°C and +40°C (+35.6°F and 104°F). The product should not be exposed to direct sunlight. Under these storage conditions, and when supplied under Huntsman standard certification, this product has a shelf life of 1 year (expiration date may differ based on customer specification).

Material temperatures should be above 18°C (65°F) when mixing. After use, tightly reseal containers.

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**PRECAUTIONARY STATEMENT :**

Huntsman Advanced Materials Americas LLC maintains up-to-date Material Safety Data Sheets (MSDS) on all of its products. These sheets contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products. Users should review the latest MSDS to determine possible health hazards and appropriate precautions to implement prior to using this material.

**First Aid!**

Refer to MSDS as mentioned above.

**KEEP OUT OF REACH OF CHILDREN****FOR PROFESSIONAL AND INDUSTRIAL USE ONLY**

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Main Offices :  
**Huntsman Corporation**  
10003 Woodloch Forest Dr.  
The Woodlands  
Texas 77380  
(281) 719-6000

**Huntsman Advanced Technology  
Center**  
8600 Gosling Rd.  
The Woodlands  
Texas 77381  
(281) 719-7400