

Advanced Materials**Epocast[®] 1617-A/B****EPOXY SYNTACTIC**

- Low Density
- Self Extinguishing
- One Hour Work Life

DESCRIPTION :

Epocast[®] 1617-A/B epoxy syntactic is a low-density, self-extinguishing compound for edge sealing honeycomb structures. The lightweight epoxy is an easy-to-handle material that exhibits high strength after curing. Epocast[®] 1617-A/B epoxy syntactic cures to an off-white color and is qualified to BMS 5-28, Type 17.

TYPICAL PROPERTIES AS RECEIVED :

<u>Property</u>	<u>1617-A Resin</u>	<u>1617-B Hardener</u>	<u>1617-A/B System</u>	<u>Test Method</u>
Color	Off-white	Amber	Off-white	Visual
Density, g/cc	0.65	1.05	0.70	ASTM-D-1622
Viscosity, cP at 77°F (25°C)	Paste	50,000	Paste	ASTM-D-2196
Gel time, 50 gms at 77°F (25°C), minutes	--	--	60-90	ASTM-D-2471

MIX RATIO :

To 100 parts by weight of Epocast[®] 1617-A resin, add 20 parts by weight of Epocast[®] 1617-B hardener. Mix both components thoroughly for several minutes to assure complete blending.

NOTE : Resin/filler separation may occur in Epocast[®] 1617-A resin. Remix before use.

CURE SCHEDULE :

7 days at 77°F (25°C) or gel at room temperature plus five hours at 125°F (52°C).

TYPICAL CURED PROPERTIES (Not for specification purposes)

<u>Test</u>	<u>Result</u>	<u>Test Method</u>
Compressive strength, Ksi (MPa) at 77°F (25°C)	5.50 (38)	ASTM-D-695
Compressive modulus, Ksi (MPa)	250 (1,724)	ASTM-D-695
Tensile lap shear, AL/AL, psi (MPa)	1,000 (6.9)	ASTM-D-1002
Weight change, 24 hours immersion at 77°F (25°C), %		ASTM-D-543
Mil-S-3136, Type III test fluid	0.5	--
Mil-M-5606 hydraulic fluid	1.5	--
Skydrol 500A	2.0	--
Distilled water	2.0	--
Flammability	self-extinguishing	--

STORAGE:

Epocast[®] 1617-A/B 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 6 months (expiration date may differ based on customer specification).

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

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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