

### **Advanced Materials**

## **Epocast<sup>®</sup> 1661 Epoxy Syntactic**

- One Part (Frozen) Syntactic
- Up to 350°F (177°C) Use
- 8 Hour Work Life

#### **DESCRIPTION:**

Epocast<sup>®</sup> 1661 epoxy syntactic is a frozen, one-component compound supplied in patty form. After thawing, the patty can be placed onto honeycomb for vacuum bag application. Epocast<sup>®</sup> 1661 epoxy syntactic may be used for fastener potting, panel edge filling and honeycomb reinforcing.

TYPICAL PROPERTIES AS RECEIVED :		
Property	<u>Result</u>	Test Method
Color	Off-white	Visual
Density, g/cc.	0.60	ASTM-D-1622
Viscosity, cP @ 77°F (25°C)	Paste	ASTM-D-2196
Work life, 100 gms at 77°F (25°C), hours	8	ASTM-D-1338

NOTE : <u>Patties</u> may be thawed 1/2 to 1 hour @ 77°F (25°C). Keep patty tightly wrapped with plastic film to prevent moisture contamination from condensation on surface of material. DO NOT IMMERSE PATTY IN WATER.

#### CURE SCHEDULE :

Heat the material from room temperature to 350°F (177°C) at the rate of 5-7°F (3-4°C) per minute, plus 1 hour at 350°F (177°C) or 90 minutes at 260°F (127°C). (Slow heat rise of 5-7°F (3-4°C) is preferred to reduce shrinkage and eliminate excess gassing during cure).

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Epocast<sup>®</sup> 1661

# TYPICAL CURED PROPERTIES (Not for specification purposes)TestResultTest MethodCompressive strength at 77°F (25°C), Ksi (MPa)9.0 (62)ASTM-D-695at 350°F (177°C), Ksi (MPa)4.0 (27.6)--Flammability, horizontalself extinguishing--

#### STORAGE:

Epocast<sup>®</sup> 1661 should be stored in a dry place, in the sealed original container, at a temperature of -20°F (-29°C) or lower.. 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 3 months (expiration date may differ based on customer specification).

Thaw at room temperature before use.

#### 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 <u>prior to</u> 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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