

Advanced Materials**EpoCast[®] 35-A/9216 Resin**

- **High Temperature Laminating System**
- **Room Temperature Set**
- **Excellent wetability**

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.

TYPICAL PROPERTIES AS RECEIVED:

Property	35-A	9216	35-A/9216	Test Method
Color	Amber	Dk. Amber	Amber	Visual
Specific gravity	1.19	0.99	1.14	ASTM-D-792
Viscosity, centipoises	3,200	4,000	3,800	ASTM-D-2196
Gel time, 100gms at 77°F, minutes	--	--	60	--
Shelf life at 77°F, unopened, months	12	12	--	--

MIX RATIO:

To 100 parts by weight of EpoCast[®] 35-A resin, add 25 parts by weight of hardener 9216. Mix both components thoroughly for several minutes.

CURE SCHEDULE:

Twenty-four hours at room temperature, plus two hours at maximum service temperature. May be accelerated with heat.

TYPICAL CURED PROPERTIES*:
(Not for specification purposes)

Test	Result	Test Method
Coefficient of thermal expansion in/in/°F	1.5 x 10 ⁻⁵	ASTM-D-3386
Heat distortion, °F	290	ASTM-D-648
Durometer hardness, Shore D	91	ASTM-D-2240
Flex strength, glass laminate, vacuum cure, at 77°F Ksi	80.0	ASTM-D-790
Flex modulus glass laminate, vacuum cure, at 77°F Ksi	3.5	ASTM-D-790
Shrinkage (laminate after three hours at 150°F aging, in/in)	0.001	ASTM-D-696
Compressive strength at 77°F, Ksi	60.0	ASTM-D-695

STORAGE:

EpoCast[®] 35-A and Hardener 9216 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). These products should not be exposed to direct sunlight. Under these storage conditions, and when supplied under Huntsman standard certification, these products have a shelf life of 1 year (expiration date may differ based on customer specification).

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**

IMPORTANT LEGAL NOTICE

Huntsman Advanced Materials warrants only that its products meet the specifications agreed with the user. Typical properties, where stated, are to be considered as representative of current production and should not be treated as specifications.

The manufacture of materials is the subject of granted patents and patent applications; freedom to operate patented processes is not implied by this publication.

While all the information and recommendations in this publication are, to the best of Huntsman Advanced Material's knowledge, information and belief, accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, WHETHER EXPRESS OR IMPLIED, INCLUDING BUT WITHOUT LIMITATION, AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

The behaviour of the products referred to in this publication in manufacturing processes and their suitability in any given end-use environment are dependent upon various conditions such as chemical compatibility, temperature, and other variables, which are not known to Huntsman Advanced Materials. It is the responsibility of the user to evaluate the manufacturing circumstances and the final product under actual end-use requirements and to adequately advise and warn purchasers and users thereof.

Products may be toxic and require special precautions in handling. The user should obtain Safety Data Sheets from Huntsman Advanced Materials containing detailed information on toxicity, together with proper shipping, handling and storage procedures, and should comply with all applicable safety and environmental standards.

Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent on manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.

Except where explicitly agreed otherwise, the sale of products referred to in this publication is subject to the general terms and conditions of sale of Huntsman Advanced Materials LLC or of its affiliated companies including without limitation, Huntsman Advanced Materials (Europe) BVBA, Huntsman Advanced Materials Americas Inc., and Huntsman Advanced Materials (Hong Kong) Ltd.

Huntsman Advanced Materials is an international business unit of Huntsman Corporation. Huntsman Advanced Materials trades through Huntsman affiliated companies in different countries including but not limited to Huntsman Advanced Materials LLC in the USA and Huntsman Advanced Materials (Europe) BVBA in Europe.

EpoCast is a registered trademark of Huntsman Corporation or an affiliate thereof in one or more, but not all, countries.

Copyright © 2008 Huntsman Corporation or an affiliate thereof. All rights reserved.

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
Website :

www.huntsman.com/advanced_materials