

# STAR Technology

FORMULATING • INNOVATIVE • SOLUTIONS

## ER3200

### Single Part Insulating Epoxy

#### DESCRIPTION

ER3200 is a single part heat cure epoxy designed for the encapsulation of sensitive electronic components. ER3200 has excellent electrical properties and is specifically formulated to survive the rapid shear impacts caused by thermal and mechanical shock. ER3200 has excellent noise reduction characteristics and is moderately filled to provide excellent electrical properties and enhanced thermal conductivity. ER3200 has shelf life of 3 to 4 months; refrigerated storage will increase shelf life. This product contains fillers that may settle over time. Product may need to be stirred before use.

ER3200 is currently available in 1 gallon pails, 5 gallon pails, 55 gallon drums and 330 gallon totes.

Data contained herein are believed to be reliable. Fit-for-use testing should be conducted by each user.

#### BENEFITS

100% solids  
DOT Non-hazardous

#### TYPICAL PROPERTIES

	<u>TEST METHOD</u>	<u>VALUE</u>
Cure Time (hours) [150° C]:		2
Gel Time [150° C] (minutes):		5-10
Shore A Hardness:	ASTM D2240	20-40
Tensile Strength (psi):	ASTM D638	
Flash Point (° F):		>200
Solids (%):		100
Dielectric Strength (V/mil, 20 mil thickness):		662
Product:		
Specific Gravity (g/cc):	ASTM D1475	1.54
Viscosity (cps):	ASTM D2393	20,000-30,000
Color:		Gray
Shelf Life (months):		3-4

To the best of our knowledge, the information contained herein is accurate. However, STAR TECHNOLOGY, Inc., does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. The information contained herein is considered typical properties and is not intended to be used as specifications for our products. This information is offered solely to assist purchaser in selecting the appropriate products for purchaser's own testing. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein and in the material safety data sheet, we cannot guarantee that these are the only hazards that exist. Repeated and prolonged exposure to epoxy resins can cause sensitization or other allergic responses.



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#### APPLICATION PROCEDURES

Gravity pour or vacuum potted.

If unit is preheated allow unit to cool below 65°C before dispensing potting material.

**Cure at 150°C for 4-6 hours after unit has reached temperature.**

#### PRECAUTIONS

For industrial use only. Keep away from children.

Refer to the Material Safety Data Sheets (MSDS forms) pertaining to this product before using.

Avoid contact with skin or eyes. In the event of an eye splash or contact, immediately flush with cold water for 15 minutes and contact a physician. If skin contact occurs, wash with mild soap and water. The wearing of safety glasses with side shields and impervious gloves is recommended.

#### RESIN AND HARDENER WARNING STATEMENT

May cause allergic skin reaction. Avoid all contact with skin, eyes, and clothing. Wash thoroughly after handling.

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