

STAR Technology

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ER3315

Insulating Epoxy

DESCRIPTION

ER3315 is a two part epoxy designed for the encapsulation of sensitive electronic components. ER3315 is extremely flexible upon cure and has excellent noise reduction characteristics. ER3315 is moderately filled to provide excellent electrical properties and enhanced thermal conductivity. Heat curing ER3315 will accelerate the cure process and provide best physical properties. This product contains fillers that may settle over time. Product may need stirring before use.

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>
Gel Time [150 Gram Mass at 75 ° F] (hours):	ASTM D2471	22
Cure Time (hours):		72
Shore D Hardness:	ASTM D2240	35
Part A:		
Specific Gravity (g/cc):	ASTM D1475	1.62
Viscosity (cps):	ASTM D2393	17,000
Color:		Natural
Part B:		
Specific Gravity (g/cc):	ASTM D1475	1.62
Viscosity (cps):	ASTM D2393	100,000
Color:		Black
Mix Ratio:		
By Weight:		100:100
By Volume:		100:100
Thermal Conductivity (W/mK):		0.93
Linear Shrinkage (%):		0.76%
Moisture Absorption (%):	ASTM D570	0.27%
Dielectric Strength [1/8 inch thickness] (V/mil):	ASTM D149	>450
Volume Resistivity (Ω cm):	ASTM D257	3.64×10^{12}
Dissipation Factor:	ASTM D150	0.033
Permittivity (Dielectric Constant):	ASTM D150	2.10
Shelf Life (months):		6

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.

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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