

STAR Technology

FORMULATING • INNOVATIVE • SOLUTIONS

ER3260

Two Part Epoxy System

DESCRIPTION

ER3260 is a two part, room cure epoxy system designed for low shrinkage in potting of large electronic assemblies and sub-assemblies. ER3260 bonds easily to variety of metals and various substrates. ER3260 has excellent chemical resistance and has a long gel time and easy mix ratio for easy use. This product may contain fillers that may settle over time.

ER3260 has found uses in laminating exterior and interior steel doors, gasoline station canopies, insulated building and roof panels, RV side panels and roofs, and potting of various electronic components.

ER3260 can be cleaned up by using mild solvents including vinegar.

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

BENEFITS

Handling properties	Low odor
Long setting	1:1 mix ratio
Easy Clean Up	

TYPICAL PROPERTIES

	<u>TEST METHOD</u>	<u>VALUE</u>
Gel Time [100 Gram Mass at 23°C] (minutes):	ASTM D2471	100
Ultimate Cure Time [at 23°C] (hours):		48
Shore D Hardness:	ASTM D2240	80
Lap Shear[CRS to CRS] (psi):	ASTM D1002	
24 hours [at 23°C]:		1800
Aged (336 hours at 100°C):		1200
Part A:		
Density (lbs/ gal):	ASTM D1475	11.75
Viscosity (cps):	ASTM D2393	13000-16000
Color:		Black
Part B:		
Density (lbs/ gal):	ASTM D1475	13.75
Viscosity (cps):	ASTM D2393	9500-9700
Color:		Grey
Mixed Product:		
Density (lbs/ gal):	ASTM D1475	12.75
Viscosity (cps):	ASTM D2393	11000-12000
Color:		Black
Mix Ratio:		
By Weight		100:100
By Volume		100:100
Recommended Maximum Service Temperature (°C):		90

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.

STAR Technology

FORMULATING • INNOVATIVE • SOLUTIONS

ER3260

Two Part Epoxy System

Electrical:

Dielectric breakdown (V/mil):	ASTM D149	375
Dielectric Constant [1kHz]:	ASTM D150	3.81
Dissipation factor [1kHz]:	ASTM D150	0.014

Mechanical:

Tg (°C):	TMA	53
CTE (ppm) [below Tg]:	TMA	72
CTE (ppm) [above Tg]:	TMA	190

Shelf Life (months):

Part A:	12
Part B:	12

APPLICATION PROCEDURES

Carefully weigh out appropriate amounts of resin and hardener into a clean mixing container and thoroughly mix until all streaks and striations are gone. Scrape the sides and bottom frequently to ensure complete mixing.

For 1# and 2# kits, add all of Part B to Part A and mix thoroughly.

CAUTION: Unmixed compound from the sides or bottom of the container can cause soft spots or uncured areas in the completed piece. To prevent this, transfer the entire mixed contents to a second clean container and remix for a short time before using.

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.

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.