

STAR Technology

FORMULATING • INNOVATIVE • SOLUTIONS

ER3113

Two Part Clear and Colorless Potting Compound

DESCRIPTION

ER3113 is a two-part water white epoxy used for potting, encapsulation, and sealing of electronic assemblies.

ER3113 should be used for applications where it is essential to use a clear epoxy. The low mixed viscosity makes intimate wet out possible. ER3113 has a convenient 2:1 by volume mix ratio and is ideal when visual inspection is needed after potting.

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

TYPICAL PROPERTIES	TEST METHOD	VALUE
Gel Time [100 Gram Mass at 75°F] (hours):	ASTM D2471	5
Drying Time (hours):		
Set to Touch:		12
Thru Dry:		24
Shore D Hardness:	ASTM D2240	70
Tensile Strength (psi):	ASTM D638	2100
Ultimate Elongation (%):		40
Tg (°C):		100
Shrinkage (%):		0.12
Part A:		
Viscosity (cps):	ASTM D2393	2500
Part B:		
Viscosity (cps):	ASTM D2393	50
Mix Ratio:		
By Volume:		2: 1

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

ER3113

Two Part Clear and Colorless Potting Compound

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.