

STAR Technology

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ER7320

Single Part Epoxy Compound

DESCRIPTION

ER7320 is a single part heat cure epoxy designed for high bonding strength under high heat conditions with controlled flow characteristics. The ER7320 with its ideal properties was designed for wet winding applications, adhesive, patching and sealing. Use brush, spatula or automatic wet winding equipment for application. ER7320 should be stored at 77°F(25°C) or at 46F (8°C) to extend shelf life.

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

BENEFITS

Solventless	Non-Hazardous	Non-Flowing During Cure
Exceptional Heat Transfer	180°C Thermal Class	Highly Thixotropic

TYPICAL PROPERTIES

	<u>TEST METHOD</u>	<u>VALUE</u>
Optimal Cure Time [150 ° C] (hours):		16
Gel Time [150 ° C] (minutes):		5-10
Shore D Hardness:	ASTM D2240	85
Tg (° C):	ASTM D3418	162
Helical Coil Bond Strength (pounds):	ASTM D2519	74.5
Thermal Conductivity (W/mK):		0.24
Dielectric Strength (Volts/mil):	ASTM D149	1550
Specific Gravity (g/cc):	ASTM D1475	1.27
Viscosity (cps):		
2 rpm (spindle 7)	ASTM D2393	130,000
20 rpm (spindle 7)	ASTM D2393	45,000
Color:		Natural

PRECAUTIONS

Due to catalyst incompatibilities, do not mix ER7320 with E-300-20. For additional information, please contact Star Technology.

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.