

# STAR Technology

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## UR5320

### Two-Part Flexible Polybutadiene

#### DESCRIPTION

UR5320 is a two part, flexible polybutadiene resin for potting, casting and coating electrical devices where flexibility is required. UR5320 is extremely flexible upon cure, has excellent hydrolytic stability and excellent thermal shock resistance. UR5320 has a low viscosity, low shrinkage and low exotherm.

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

#### BENEFITS

100% solids	Low Viscosity
DOT Non-hazardous	Thermal shock resistant

#### TYPICAL PROPERTIES

	<u>TEST METHOD</u>	<u>VALUE</u>
Cure Time [25° C] (hours):		3-5
Gel Time [25° C] (minutes):		90
Gel Time [100°C] (minutes):		5-10
Mix Ratio (by weight):		100:25
Dielectric Strength (V/mil) [1/8 in thickness]	ASTM D149-09	403
Thermal Conductivity (W/mK):		0.145
24 Hour Water Absorption (%):		0.26
Shore A Hardness:	ASTM D2240	30-40
Flash Point (° F):		> 200
Solids (%):		100
Mixed Specific Gravity (g/cc):	ASTM D1475	0.97
Part A Viscosity (cps):	ASTM D2393	700
Part A Color:		Amber
Part B Viscosity (cps):	ASTM D2393	65
Part B Color:		Brown
Mixed Color:		Amber
Shelf Life (months):		6

#### APPLICATION PROCEDURES

Carefully measure A & B using the correct proportion and mix thoroughly making sure to scrape sides and bottom of container until uniform.

#### 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.