

Technical Data:

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U 2320/U 2320G

Self-Extinguishing PU Casting Compound

Product Description

U 2320/U 2320G is two-component, semi-flexible, casting polyurethane compound with high mechanical and electrical properties. Suitable for insulation of low voltage components. The compound contains flame retardants without halogen and antimony.

Features & Benefits

- Conforms to UL 94 V-0 Standard
- Good adhesion to metals and ceramics
- Designed for machine mixing
- Semi-flexible
- Excellent electrical properties
- Comply with RoHS 3 regulations

Applications

High voltage/High power electrical and electronic potting and encapsulation

Typical Uncured Properties

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Color	U 2320/2320G (A) UC 138 (B)	beige/black amber
Viscosity @ 25°C, mPa*s per ASTM-D-2196	A B	6,000-10,000 150-250
Mix Viscosity @ 25°C, mPa*s	A+B	3,000-4,000
Density @ 25°C, g/cm³	A B	1.5 1.2
Mix Ratio A:B, by weight	100:20	
-# by volume	100:25	

Instructions for use:

Stir compound U 2320/U2320G thoroughly in the original container prior to use

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Processing and Typical Cured Properties

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	U 2320	U2320G
Gel-time @ 25°C, 100g, min	20	8
Hardness, ASTM-D-2240, Shore D 1 day/7days	55/67	65/70
Final properties @ 25°C, days	>7	
Tensile Strength, ASTM-D-638, MPa	12	
Elongation at break, %	30	
Thermal Conductivity, W/m-K	0.5-0.6	
Service Temperature, °C	-40 to 130	
Flammability, UL 94 V-0, mm	3	

Storage

The products must be protected from humidity. Store products at 15-30°C for maximum shelf life.

Shelf Life

These products have a shelf- life of 9 months in their unopened original bulk containers.

Packaging

Packaging sizes are available from 1L up to 200L barrel.

Limitation of Liability

Except where prohibited by law, Polymer-G and seller will not be liable for any loss or damage arising from the Polymer-G product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.