

**Technical Data:**

Issued: Sept. 2005

Revision 1: May 2018, Page: 1

**U 248-2**

Two-Component Rigid Polyurethane Compound

**Product Description**

U 248-2 is a two-component, rigid PU compound for potting, casting and encapsulating. U 248-2 exhibits high mechanical and electrical properties. Particularly suitable for casting transformers, bushings and other construction parts

**Features & Benefits**

- Flexible pot life
- Good adhesion to metals and ceramics
- Suitable for manual and automatic mixing
- Flexible pot-life
- High mechanical and electrical properties

**Applications**

Electrical and Electronic Potting and Encapsulating

**Typical Uncured Physical Properties**

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

<b>Base Resins</b>	U 248-2 (A) UC 138 (B)	Polyol mixture Isocyanate
<b>Appearance/Color</b>	U 248-2 (A) UC 138 (B)	Transparent Amber
<b>Viscosity @ 25°C, mPa*s</b> per ASTM-D-2196	U 248-2 (A) UC 138 (B)	10000 200-250
<b>Density @ 25°C, g/cm<sup>3</sup></b>	U 248-2 (A) UC 138 (B)	1.5 1.2
<b>Mix Ratio A:B (w/w)</b>	100:30	
<b>Mix Viscosity @ 25°C, mPa*s</b> per ASTM-D-2196	4000	
<b>Pot life @ 25°C, 100g, min</b>	5-10	
<b>Gel-time @ 25°C, (100g), min</b>	10-20	
<b>Curing time @ 25°C, hr</b>	6-8	

**Instructions for use:**

Stir compound U 248-2 thoroughly in the original container prior to use

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

<b>Color</b>	Off-White
<b>Hardness, ASTM –D-2240, Shore D</b>	D80
<b>Tensile Strength, ASTM-D-638, MPa</b>	36
<b>Tensile Elongation, ASTM-D-638, %</b>	3.5
<b>Flexural Strength, ASTM-D-790, MPa</b>	66
<b>Flexural Modulus, ASTM-D-790, %</b>	2600
<b>Service Temperature, °C</b>	-40 to 90

\*) Tests were performed 7-10 days after specimens casting

**Storage**

Store products at 15-30°C for maximum shelf life.

**Packaging**

Packaging sizes are available from 1L up to 5L jerricans.

**Shelf Life**

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

**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.