

**Technical Data:**

Issued: July 2008  
Revision 2: July 2020, Page: 1

**U 232MY GRAY**

Self-Extinguishing PU Potting Compound

**Product Description**

U 232MY GRAY/UC 138 is a two-component, semi-flexible potting and casting UL certified flame retardant polyurethane compound.

**Features & Benefits**

- Self-extinguishing halogen free
- Semi-flexible
- Good adhesion to metals and ceramics
- Excellent electrical properties
- Suitable for manual and automatic mixing

**Applications**

High voltage/High power electrical and electronic potting and encapsulation

**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 232MY GRAY (A) UC 138 (B)	Polyol mixture Isocyanate
<b>Appearance/Color</b>	U 232MY GRAY UC 138	gray amber
<b>Viscosity @ 25°C, mPa*s</b> per ASTM-D-2196	U 232MY GRAY UC 138	4500-7500 150-250
<b>Density @ 25°C, g/cm<sup>3</sup></b>	U 232MY GRAY UC 138	1.52 1.2
<b>Mix Ratio A:B (w/w)</b>	100:20	
<b>Mix Viscosity @ 25°C, mPa*s</b> per ASTM-D-2196	2500-3000	
<b>Gel-time @ 25°C, 100g, min</b>	20-40	
<b>Work life @ 25°C, min</b>	8-12	
<b>Hardening @ 25°C, hr</b>	6-8	

**Instructions for use:**

Stir compound U 232MY GRAY thoroughly in the original container prior to use

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Revision 2: July 2020, Page: 2**U 232MY GRAY**

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<b>Color</b>	gray
<b>Hardness, Shore A</b>	80-100
<b>Final properties @ 25°C, days</b>	>7
<b>Tensile Strength, MPa</b>	5.0 – 7.5
<b>Tensile Elongation (bulk), %</b>	25-40
<b>Thermal Conductivity, W/m-K</b>	0.5-0.6
<b>Service Temperature, °C</b>	-40 to 130
<b>Flammability Rating</b>	UL 94 –V-0

**Storage**

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.