

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.

Base Resins	U 232MY GRAY (A) UC 138 (B)	Polyol mixture Isocyanate
Appearance/Color	U 232MY GRAY UC 138	gray amber
Viscosity @ 25°C, mPa*s per ASTM-D-2196	U 232MY GRAY UC 138	4500-7500 150-250
Density @ 25°C, g/cm³	U 232MY GRAY UC 138	1.52 1.2
Mix Ratio A:B (w/w)	100:20	
Mix Viscosity @ 25°C, mPa*s per ASTM-D-2196	2500-3000	
Gel-time @ 25°C, 100g, min	20-40	
Work life @ 25°C, min	8-12	
Hardening @ 25°C, hr	6-8	

Instructions for use:

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

Technical Data:

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

U 232MY GRAY

Self-Extinguishing PU Potting Compound

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.

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