

## Technical Data:

Issued: Feb. 2014  
Revision 4: July 2023, Page: 1

# U 146-3/UC 138

Two-Component Low Viscosity PU Potting Compound

### Product Description

U 146-3/UC 138 is a two-component, low viscosity, unfilled PU compound for potting, casting and encapsulating. U 146-3/UC 138 displays excellent impact resistance.

### Features & Benefits

- High impact resistance
- Good adhesion to metals and ceramics
- Suitable for manual and automatic mixing
- Semi-rigid
- High mechanical properties
- Hydrolysis stability

### Applications

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 146-3 (A) UC 138 (B)	Polyol mixture Isocyanate
<b>Appearance/Color</b>	U 146-3 (A) UC 138 (B)	White/Black Amber
<b>Viscosity @ 25°C, mPa*s</b> per ASTM-D-2196	U 146-3 (A) UC 138 (B)	900-1200 150-250
<b>Density @ 25°C, g/cm<sup>3</sup></b>	U 146-3 (A) UC 138 (B)	1.04 1.20
<b>Mix Ratio A:B (w/w)</b>	100:60	
<b>Mix Viscosity @ 25°C, mPa*s</b>	500-800	
<b>Gel-time @ 25°C, (100g), min</b>	50-70	

### Instructions for use:

Stir compound U 146-3 thoroughly in the original container prior to use

**Technical Data:**Issued: Feb.2014  
Revision 4: July 2023, Page: 2**U 146-3/UC 138**

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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>	yellow/black
<b>Curing time @ 25°C, hr</b>	24
<b>Final properties @ 25°C, days</b>	>7
<b>Hardness, ASTM –D-2240, Shore D</b>	65-70
<b>Tensile Strength, ASTM-D-638, MPa</b>	18-22
<b>Tensile Elongation, ASTM-D-638, %</b>	40-60
<b>Service Temperature, °C</b>	-40 to 90

**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**

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