

Technical Data:

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U 146-2/UC 138

Low Viscosity Fast Curing PU Compound

Product Description

U 146-2/UC 138 is a two-component, fast curing, low viscosity PU compound for potting, casting and encapsulating. U 146-2/UC 138 displays excellent impact resistance.

Features & Benefits

- High impact resistance
- Good adhesion to metals and ceramics
- Suitable for machine mixing
- Fast curing
- High mechanical properties
- Good adhesion to metals and ceramics

Applications

Potting, casting 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.

Base Resins	U 146-2 (A) UC 138 (B)	Polyol mixture Isocyanate
Appearance/Color	U 146-2 (A) UC 138 (B)	Transparent/Black Amber
Viscosity @ 25°C, mPa*s per ASTM-D-2196	U 146-2 (A) UC 138 (B)	900-1300 150-250
Density @ 25°C, g/cm³	U 146-2 (A) UC 138 (B)	1.0 1.2
Mix Ratio A:B, (w/w)	100:60	
Mix Viscosity @ 25°C, mPa*s	500-800	
Pot life @ 25°C, min	4-6	
Gel-time @ 25°C, (100g), min	8-12	
Curing time @ 25°C, hr	24	

Instructions for use:

Stir compound U 146-2 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.

Color	Off-White/Black
Final properties @ 25°C, days	>7
Hardness, ASTM –D-2240, Shore D	68-75
Tensile Strength, ASTM-D-638, MPa	25-50
Tensile Elongation, ASTM-D-638, %	4-6
Service Temperature, °C	-40 to 90

Storage

Both components must be protected from humidity. 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.