

Technical Data:

Issued: July 2008
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U 405

Two-Component Low Viscosity Flexible PU Compound

Product Description

U 405 is a unique low viscosity flexible PU compound. Being cured it exhibits excellent mechanical performance and suitable for sealing, potting and encapsulating of electrical and electronic components. U 405 can be applied with various types of hardeners depending on customer requests.

Features & Benefits

- Low viscosity
- High flexibility
- Suitable for manual and automatic mixing
- Excellent mechanical properties
- High hydrolytic resistance
- Fast curing

Applications

Potting and encapsulating of electrical and electronic components and devices

Typical Uncured Properties

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

	U 405 (A)	HARDENERS (B)	
		UC 138	UC 2010
Color	Off-white/Black	Amber	Yellowish
Viscosity @25°C, mPa*s	800-1200	150-250	100-150
Density @ 25°C, g/cm ³	1.1	1.2	1.2
Mix Ratio A:B (w/w)	100	31-33	36-38
Mix Viscosity, mPa*s	500-700		
Work Life, min	10-15		
De-mold time @ 25°C, hr	3-4		
Final Curing @ 25°C, days	7-8		

Instructions for use:

Stir compound U 405 thoroughly in the original container prior to use

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Typical Cured Properties^{*)}

	U405/UC 138	U405/UC 2010
Hardness, Shore D	60-65	74-78
Tensile Strength, MPa	4.0-5.0	6.0-7.5
Tensile Elongation, %	150-200	150-200

^{*)} measured after 7 days

Storage and Handling

The shelf life of the U 405 is 9 months at 15-35°C.
For the best results, store in tightly closed original containers.
Stir and allow content to cool to room temperature before use.

Packaging

Packaging sizes are available from 1L up to 18L pails.

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.