

Technical Data:

Issued: September 2022

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U 405 DS

Two-Component Low Viscosity Flexible PU Compound

Product Description

U 405 DS is a unique low viscosity, UL compliant flexible PU compound. The cured product exhibits excellent mechanical performance and is suitable for sealing, potting and encapsulating of electrical and electronic components.

Features & Benefits

- Low viscosity
- Excellent mechanical properties
- High flexibility within a wide working temperature range
- Suitable for manual and automatic mixing
- 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 DS (A)	HARDENER (B) UC 138
Color	Black	Amber
Viscosity @25°C, mPa*s	1200-3500	150-250
Density@ 25°C, g/cm³	1.2-1.3	1.2
Mix Ratio A:B (w/w)	100	23
Mix Viscosity, mPa*s	600-900	
Gel Time@ 25°C, min	30-50	
Final Curing @ 25°C, days	7-8	
Working temperature °C	-10/+85	

Instructions for use:

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

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Typical Cured Properties^{*)}

	U405DS/UC 138
Hardness, Shore A	70-90
Tensile Strength, MPa	3.6
Tensile Elongation, %	50-70

Storage and Handling

The shelf life of the U 405DS is 9 months at 15-30°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 , 18L pails up to 200L barrels.

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.