

Technical Data:

Issued: March 2006
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U 303

Two-component Fast Curing PU Compound for Potting and Sealing

Product Description

U 303 is a unique two-component low viscosity extremely fast curing potting/adhesive polyurethane compound. Being cured, it displays high mechanical properties and high adhesion to metals and plastic materials

Features & Benefits

- Extremely fast curing
- High adhesion to metals, plastics and filter media
- Suitable for automatic mixing
- Low viscosity
- High hydrolytic resistivity
- VOC free

Applications

Air filter manufacturing

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 303 (A) UC 303 (B)	Polyol mixture Isocyanate
Appearance/Color	A B	white Off-white
Viscosity @ 25°C, mPa*s per ASTM-D-2393	A B	1300-1600 900-1300
Density @ 25°C, g/cm ³	A B	1.10 ± 0.02 1.22 ± 0.02
Mix Ratio A:B, (w/w)	100:55-60	
Gel-time @ 25°C, min	1-2	
Curing @ 25°C, hr	3-4	

Instructions for use:

Stir compound U 303 and UC 303 thoroughly in their original containers prior to use

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Typical Cured Properties

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Hardness, ASTM-D-2240, Shore D	65-75
Tensile Strength, ASTM-D-638, MPa	17-26
Tensile Elongation, ASTM-D-638, %	4-10
Service Temperature, °C	-40 to 80

Storage

Store products at 15-30°C for maximum shelf life.

Packaging

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

Shelf Life

These products have a shelf- life of 9 months in their unopened original bulk 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.