

Technical Data:

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U 1050SV

Two-component PU Compound for Potting and Sealing

Product Description

U 1050SV is a two-component fast curing, low viscosity polyurethane compound for potting and sealing. The compound exhibits high adhesion to metals, plastics and other materials.

Features & Benefits

- High tensile strength
- High adhesion to metals, plastics and filter media
- Suitable for machine mixing
- Low viscosity
- High hydrolytic resistivity

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 1050SV (A) UC 138 (B)	Polyol mixture Isocyanate
Appearance/Color	U 1050SV UC 138	As required Amber
Viscosity @ 25°C, mPa*s per ASTM-D-2196	U 1050SV UC 138	2000-3500 150-250
Density @ 25°C, g/cm³	U 1050SV UC 138	1.40 1.20
Mix Ratio A:B (w/w)	100:35	
Mix Viscosity @ 25°C, mPa*s per ASTM-D-2196	1000-1500	
Gel-time @ 25°C, 100g, min	10-15	
Hardening @ 25°C, hr	1.5-2	

Instructions for use:

Stir compound U 1050SV 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.

Hardness, ASTM-D-2240, Shore D	75-85
Service Temperature, °C	-40 to 90
Tensile Strength, ASTM-D-638, MPa	24-30
Tensile Elongation, ASTM-D-638, %	2-6

*) Measured after 3-4 days

Storage

Both components must be protected from humidity. Store products at 15-30°C for maximum shelf life in the original containers. Do not use re-opened containers.

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.