

U 1050-2

Two-component PU Compound for Potting and Sealing

Product Description

U 1050-2 is a two-component polyurethane adhesive/potting/sealing compound with high tensile strength and high adhesion to metals, plastics and other materials

Features & Benefits

- High tensile strength
- High adhesion to metals, plastics and filter media
- Suitable for manual and automatic 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 1050-2 (A) UC 138 (B)	Polyol mixture Isocyanate
Appearance/Color	U 1050-2 (A) UC 138 (B)	As required Amber
Viscosity @ 25°C, mPa*s per ASTM-D-2393	U 1050-2 (A) UC 138 (B)	1800-3000 150-250
Density @ 25°C, g/cm³	U 1050-2 (A) UC 138 (B)	1.42 ± 0.02 1.22 ± 0.02
Mix Ratio A:B (w/w)	100:33	
Mix Viscosity @ 25°C, mPa*s per ASTM-D-2196	1000-1500	
Gel Time (100 gr @ 25°C) min.	8-12	
Hardening @ 25°C, days	>7	

Instructions for use:

Stir compound U 1050-2 thoroughly in the original container prior to use

Technical Data:

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Hardness , ASTM-D-2240, Shore D (24 hours at RT)	60-70
Hardness , ASTM-D-2240, Shore D (7 days at RT)	75-80
Tensile Strength , ASTM-D-638, MPa	25-28
Tensile Elongation , ASTM-D-638, %	5-6
Lap Shear Strength , ASTM-D-1002, MPa etched Al	26-30
Service Temperature , °C	-40 to 90

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.