

# ELASTOSIL<sup>®</sup> E 951



## Moisture Curing Silicone Rubber (RTV-1)

ELASTOSIL<sup>®</sup> E 951 is a high strength one-component adhesive sealant designed for bonding silicone rubber to silicone rubber or substrates. ELASTOSIL<sup>®</sup> E 951 may also be used for forming high strength bonds between metal and glass. ELASTOSIL<sup>®</sup> E 951 adheres tenaciously to most substrates without the aid of a primer.

### Properties

- One component, ready-to-use
- Excellent adhesion
- High strength

### Technical data

#### Properties Uncured

Property	Condition	Value	Method
Viscosity, dynamic	25 °C	400000 cP	WSTM-2103
Appearance	-	Clear Paste	WSTM-2119
Skin Over Time	25 °C   50 % r.h	20 min	-

These figures are only intended as a guide and should not be used in preparing specifications.

## Properties Cured

Cure conditions: 7 days / 25 °C.

ELASTOSIL E 951 releases acetic acid while curing. The fully cured product will be completely free of acetic acid odor.

Property	Condition	Value	Method
Tear strength	-	70 psi	ASTM D 624, Die B
Tear strength	-	12.3 kN/m	-
Elongation	-	400 %	-
Tensile strength	-	4.5 mPa	-
Tensile strength	-	650 psi	-
Hardness Shore A	-	30	WSTM-2225
Specific gravity	-	1.08 g/cm <sup>3</sup>	-
Density	25 °C	1.08 g/cm <sup>3</sup>	-

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All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

## Application details

ELASTOSIL® E 951 cures at room temperature when exposed to the humidity in the air. It forms a skin in less than 30 minutes, is tack free in an hour and normally cures overnight. Since this material requires moisture in the air to cure, the cure rate depends on the degree of open exposure. Acetic acid is liberated during cure which disappears when cure is complete. ELASTOSIL® E 951 adheres exceptionally well to various substrates including metals, glass, and vulcanized silicone rubber. The substrates should be clean. Primers are available to solve special adhesion problems.

## Packaging and storage

### Storage

The "Best use before end date" of each batch is shown on the Certificate of Analysis.

Storage beyond the date specified on the Certificate of Analysis does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

## Safety notes

For specific information regarding safe handling of this material, please refer to the Safety Data Sheet.

## QR Code ELASTOSIL® E 951



**For technical, quality or product safety questions, please contact:**

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