

# ELASTOSIL<sup>®</sup> E10 ROT



## Moisture Curing Silicone Rubber (RTV-1)

ELASTOSIL<sup>®</sup> E10 ROT is a one-component acetoxy-cure silicone rubber with low viscosity, which cures at room temperature under the influence of atmospheric moisture. It shows good primerless adhesion to many substrates and outstanding heat stability even in long term exposure

### Properties

- Recommended service temperature from -45 °C to +230 °C
- max. recommended short term peak temperature exposure 250°C
- non-thixotropic

### Specific features

- Flowable
- Heat resistant
- Low viscosity
- One-component
- Solvent-free

## Technical data

### Properties Uncured

Property	Condition	Value	Method
Color	-	red	-
Density	23 °C	1.10 g/cm <sup>3</sup>	DIN EN ISO 1183-1 A
Viscosity D = 0,5 1/s	25 °C	9000	ISO 3219
Viscosity D = 25 1/s	25 °C	6500	ISO 3219
Skin formation time <sup>(1)</sup>	-	10 - 15 min	-
Curing time	23 °C   50 % r.h	12 h/mm	-

<sup>1</sup>at 23 °C, 50 % RH

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

### Properties Cured

Property	Condition	Value	Method
Color	-	red	-
Hardness Shore A	-	25	DIN ISO 48-4
Tensile strength <sup>(1)</sup>	-	2.5 N/mm <sup>2</sup>	ISO 37
Elongation at break <sup>(2)</sup>	-	300 %	ISO 37

<sup>1</sup>Type 3 / 23°C / 2mm

<sup>2</sup>Type 3 / 23°C / 2mm

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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.

## Applications

- Appliances Industry
- Bonding & Sealing
- Heating Elements
- Industrial Assembly
- Ready-to-Use Silicone Sealants - General Applications

## Application details

High temperature resistant grade for sealing, bonding and coating, use e.g. for sealing tubular heating elements

## Processing

ELASTOSIL® E10 ROT shows good primerless adhesion to many substrates. We recommend running preliminary tests to optimize conditions for the particular application.

Detailed processing instructions are given in our brochure "ROOM TEMPERATURE VULCANIZING (RTV) SILICONES - MATERIAL AND PROCESSING GUIDELINES

## Packaging and storage

### Storage

The 'Best use before end' date of each batch is shown on the product label.

Storage beyond the date specified on the label 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.

## QR Code ELASTOSIL® E10 ROT



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

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