

ELASTOSIL[®] E10 ROT



Moisture Curing Silicone Rubber (RTV-1)

ELASTOSIL[®] 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 ³	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 ⁽¹⁾	-	10 - 15 min	-
Curing time	23 °C 50 % r.h	12 h/mm	-

¹at 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	-	2.5 N/mm ²	ISO 37 type 3
Elongation at break	-	300 %	ISO 37 type 3

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

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
- E-Mobility
- Formed-In-Place-Gaskets (Wet Type)
- Heating & Cooling
- Heating Elements
- Lighting
- Machine Building
- Railway Industry

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:

Wacker Chemie AG, Gisela-Stein-Strasse 1, 81671 Munich, Germany
productinformation@wacker.com, www.wacker.com

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.