ELASTOSIL® E10

RTV-1 SILICONE RUBBER

Product description

ELASTOSIL® E10 is a one-component silicone rubber with low viscosity, which cures at room temperature under the influence of atmospheric moisture.

Special features

- acetic acid-curing system
- low viscosity
- excellent heat stability
- excellent primerless adhesion to many substrates

Application

- sealing of tubular heating elements

Processing

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

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.

Safety notes

During vulcanization of ELASTOSIL® E10, a total of 3 % by weight of acetic acid is split off. These vapours should not be inhaled for long periods or in high concentration. Work areas should therefore be well ventilated. Contact of unvulcanized silicone rubber with eyes and mucous membranes must be avoided as this would cause irritation. However if it does happen, rinse the affected area thoroughly with water.

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site http://www.wacker.com.

Product data

Typical general characteristics	Inspection Method	Value
Product data (uncured)		
Color		red
Density at 20 °C	DIN 53479	1,11 g/cm³
Viscosity, dynamic at 23 °C	BROOKFIELD	approx. 8000 mPa.s
Skin forming time at 23 °C, 50 % RH		10 - 15 min
Curing time, 23 °C, 50 % RH		12 h/mm
Product data (cured)		
Color		red
Density at 23 °C in water	DIN EN ISO 1183-1 / ISO 2781	1,10 g/cm³
Hardness Shore A	DIN 53505 / ISO 868	25
Elongation at break	DIN 53504 S1 / ISO 37	500 %
Tensile strength	DIN 53504 S1 / ISO 37	4,7 N/mm^2
Tear strength	ASTM D 624 B	5,1 N/mm

2 mm, 14 d storage at 20 °C, 50 % RH
These figures are only intended as a guide and should not be used in preparing specifications.

The data presented in this leaflet 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 leaflet 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 recommendations do 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 products for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

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

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