ELASTOSIL® R 750/60 OH

ELASTOSIL®

High Consistency Silicone Rubber (HCR)

Vulcanizates of ELASTOSIL® R 750/60 OH silicone rubber possess particularly good resistance to high temperature, oxygen and dry heat.

Properties

Specific features

- Heat resistant
- Short-term resistance up to 275 °C

Technical data

Properties Cured

Property	Condition	Value	Method
Density	-	1.18 g/cm^3	DIN EN ISO 1183-1 A
Appearance	-	translucent	-

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

Properties Cured

Cure conditions (post-cured 4 h / 200 °C):
1.5 % ELASTOSIL® AUX Crosslinker E (50% paste of bis-(2,4-dichlorobenzoyl)-peroxide in silicone fluid); 10 min / 135°C in press
0.7 % ELASTOSIL® AUX Crosslinker C1 (Dicumylperoxide); 15 min /165 °C in press

Property	Condition	Curing Agent E	Curing Agent C1	Method
Hardness Shore A	-	58	56	ISO 7619-1
Tensile strength	-	8.6 N/mm^2	8.1 N/mm^2	ISO 37 type 1
Elongation at break	-	460 %	460 %	ISO 37 type 1
Compression Set[(1)]	22 h | 175 °C	24 %	14 %	DIN ISO 815-1 type B method A
Rebound resilience	-	43 %	38 %	ISO 4662
Tear strength	-	22 N/mm	23 N/mm	ASTM D 624 B

[1]post-cured 4 h / 200 °C

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Heat resistance

Cure conditions (post-cured 4 h / 200 °C):
1.5 % ELASTOSIL® AUX Crosslinker E (50% paste of bis-(2,4-dichlorobenzoyl)-peroxide in silicone fluid); 10 min / 135°C in press, heat stabilized with 3 % ELASTOSIL® AUX Stabilizer H6

Property	After heat aging 72 h / 300 °C	Method
Hardness Shore A	81	ISO 7619-1
Tensile strength	5.4 N/mm^2	ISO 37
Elongation at break	140 %	ISO 37

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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

- Molded Parts
- Profiles & Tubings

Application details

ELASTOSIL® R 750/60 OH is optimized for applications at high temperatures and can be used for extrusion and moulding applications.

Vulcanizates of ELASTOSIL® R 750/60 OH can withstand temperatures of 300°C for at least three days.

Processing

For detailed information please refer to the latest edition of our brochure "SOLID AND LIQUID SILICONE RUBBER - MATERIAL AND PROCESSING GUIDELINES".

Packaging and storage

Packaging

This product is available in 20 kg and 540 kg cardboard packaging.

Special delivery forms are possible but depend on several technical and commercial aspects. Please contact your local sales manager in such cases.

Storage

Please store the cardboard boxes in a dry and cool place. Already opened boxes should be closed again to avoid any contamination.

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

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.

QR Code ELASTOSIL® R 750/60 OH

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

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