

ELASTOSIL[®] RT 480



Room Temperature Curing Silicone Rubber (RTV-2)

Spreadable, condensation-curing, two-component silicone rubber that vulcanizes at room temperature.

Main application:

- production of molds

Properties

- self-levelling flow
- high Shore A hardness (approx. 55)
- high mechanical strength
- very good heat resistance
- low shrinkage

Specific features

- Condensation-curing
- Fast curing at room temperature
- Spreadable self-levelling flow
- Two-component

Technical data

Properties Uncured

Property	Condition	Value	Method
Color	-	light gray	-
Density	20 °C	approx. 1.2 g/cm ³	DIN 53217
Viscosity, dynamic	23 °C	300000 - 400000 mPa·s	Brookfield

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

Catalyzed

Property	Condition	Value	Method
Viscosity, dynamic	23 °C	250000 mPa·s	ISO 3219
Mix ratio T 37	-	4 %	-
Mix ratio T 40	-	3 %	-
Pot Life 3% T 40	-	20 min	-
Pot Life 4 % T 37	-	120 min	-
Curing time 3% T 40	-	3 h	-
Curing time 4% T 37	-	9 h	-
Linear shrinkage 3% T 40	-	0.25 %	-
Linear shrinkage 4% T 37	-	0.5 %	-

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Properties Cured

Property	Condition	Value	Method
Color	-	light gray	-
Density in water	23 °C	1.2 g/cm ³	ISO 2781
Tear strength	-	> 7 N/mm	ASTM D 624 B
Hardness Shore A	-	55	ISO 868
Tensile strength	-	4.5 N/mm ²	ISO 37
Elongation at break	-	170 %	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

- Industrial Assembly
- Reproduction Molding

Application details

- mold-making material

Processing

ELASTOSIL[®] RT 480 is cured by adding Catalyst T37 for long pot lives and curing times, or Catalyst T40 for short pot lives and curing times.

Please check also our brochures and info sheets.

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.

Safety notes

Catalysts T 37 and T 40 contain a tetraorganotin compound, are flammable and may cause irritation in contact with the eyes and skin. Adequate protective measures are required.

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® RT 480



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

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