

ELASTOSIL[®] RT 745 T A/B

Room Temperature Curing Silicone Rubber (RTV-2)

ELASTOSIL[®] RT 745 T A/B is a pourable, thermally curable, addition curing, two-part silicone rubber.

Properties

- two-part, 1 : 1 mixing ratio
- very low hardness
- low risk of inhibition
- rapid heat cure
- primerless adhesion

Technical data

Properties Uncured

Property	Condition	A	B	Method
Color	-	Brownish	Translucent	-
Density	23 °C	0.97 g/cm ³	-	DIN EN ISO 1183-1 A
Viscosity, dynamic	-	1000 mPa·s	1000 mPa·s	ISO 3219

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

Properties Catalyzed A+B

Property	Condition	Value	Method
Viscosity, dynamic	23 °C	1000 mPa·s	ISO 3219
Platinum catalyst in component	-	A	-
Mix ratio	-	1 : 1	A : B
Pot Life ⁽¹⁾	-	> 4 h	-

¹at 23°C; up to 100000 mPa S

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

Properties Cured

Property	Condition	Value	Method
Color	-	Brownish, Translucent	-
Density	23 °C	0.97 g/cm ³	DIN EN ISO 1183-1 A
Hardness Shore 00	-	37	ASTM D 2240
Modulus at 100 % elongation	100 %	0.05 N/mm ²	ISO 37
Volume resistivity	-	≥ 10 ¹⁵ Ohmcm	IEC 60093

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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.

ELASTOSIL® silicone polymers and fillers

Applications

- Automotive Electronics
- Electronics
- Potting & Encapsulation
- Power Control Unit (PCU)

Application details

Caution:

Only components A and B with the same lot number may be processed together!

Curing time, 1cm thickness:

- 60min at 80°C
- 10min at 120°C

- 5min at 150°C

The A-component is strongly recommended to be homogenised prior to use in case a brownish sediment of catalyst occurs. Without homogenisation, the material still reaches the properties according to the specification as cured, however the curing time at temperatures below 120°C time may be prolonged

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

According to the latest findings, addition-curing silicone rubber ELASTOSIL® RT 745 T A/B contains neither toxic nor aggressive substances which would require special handling precautions. General industrial hygiene regulations should be observed. 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 745 T A/B



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

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