

ELASTOSIL[®] RT 622 A/B

Room Temperature Curing Silicone Rubber (RTV-2)

Pourable, addition-curing, two-component silicone rubber that vulcanizes at room temperature.

Properties

- excellent mechanical properties
- low hardness
- meets the requirements of EN 45545-2:2020 for Hazard Level HL1 (requirement set R22), and for Hazard Level HL1 and HL2 (requirement set R23 and R24), respectively.

Specific features

- Addition Curing
- Flowable
- Two-component

Technical data

Properties Uncured

Property	Condition	A	B	Method
Color	-	white	reddish brown	-
Density	23.0 °C	-	0.97 g/cm ³	DIN EN ISO 2811-1
Viscosity, dynamic ⁽¹⁾	23.0 °C	18000.0 mPa·s	800.0 mPa·s	DIN EN ISO 2555

¹Spindle 1; 2,5 UpM; 23°C

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 ⁽¹⁾	23.0 °C	12000.0 mPa·s	DIN EN ISO 2555
Mix ratio ⁽²⁾	-	9 : 1	A : B
Pot life ⁽³⁾	-	60 min	-
Curing time at 23°C	-	12.0 h	-

¹Spindle 5; 2,5 UpM; 23°C

²(pbw)

³at 23 °C, up to 60000 mPa s

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Properties Cured

Property	Condition	Value	Method
Color	-	reddish brown	-
Density	23.0 °C	1.0 g/cm ³	DIN EN ISO 1183-1 A
Tear strength	-	30 N/mm	ASTM D 624 B
Hardness Shore A	-	27	DIN ISO 48-4
Tensile strength	-	6.5 N/mm ²	ISO 37 type 1
Elongation at break	-	550 %	ISO 37 type 1
Linear shrinkage	-	< 0.1 %	-

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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

- Electronics
- Encapsulation
- Hydroelectric Power Plants
- Railway Industry

Application details

Important note: The platinum catalyst is in component B.

Important: A and B components may only be used together if they have the same batch number.

We recommend running preliminary tests to optimize conditions for the particular application.

Comprehensive instructions are given in our leaflet "ELASTOSIL® - PROCESSING RTV-2 SILICONE RUBBERS".

- all-round potting compound
- technical mouldings
- encapsulation of electronic components
- slot exit potting for electrical coils

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

Components of the addition-curing grade ELASTOSIL® RT 622 A/B contain only constituents that over many years have proved to be neither toxic nor aggressive. Special handling precautions are therefore not required, i.e., only the general industrial hygiene regulations apply. 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 622 A/B



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

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