

ELASTOSIL[®] RT 751 A/B



Room Temperature Curing Silicone Rubber (RTV-2)

ELASTOSIL[®] RT 751 A/B is a pourable, addition-curing, RTV-2 silicone rubber that vulcanizes at room temperature to a soft silicone elastomer.

Properties

- Two-parts, 1 : 1 mixing ratio
- Low density
- Low viscosity
- Low oil bleeding
- Low hardness
- Low tackiness
- Excellent mechanical damping properties

Technical data

Properties Uncured

Property	Condition	A	B	Method
Color	-	Light blue	White	-
Density	23 °C	0.66 g/cm ³	0.66 g/cm ³	ISO 2811
Viscosity, dynamic	-	1200 mPa·s	1500 mPa·s	DIN EN ISO 3219

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

Catalyzed

Property	Condition	Value	Method
Platinum catalyst in component	-	B	-
Mix ratio	-	1 : 1	A : B
Pot Life , The time at which viscosity doubles	23 °C	30 min	DIN EN ISO 2555

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Properties Catalyzed A+B

Property	Condition	Value	Method
Volume resistivity	-	10 [^] 14 Ohmcm	IEC 62631-3-1
Dielectric constant	60 Hz	3.34	IEC 60250
Dielectric constant	100 Hz	3.18	IEC 60250
Dielectric constant	500 Hz	2.78	IEC 60250
Dielectric constant	1 kHz	2.72	IEC 60250
Dielectric constant	1 MHz	2.21	IEC 60250
Dissipation factor	1 MHz	0.0006	IEC 60250
Dielectric strength	-	6.5 kV/mm	IEC 60243

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Catalyzed

Property	Condition	Value	Method
Curing time	100 °C	30 min	-
Curing time	23 °C	24 h	-

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Properties Cured

Property	Condition	Value	Method
Color	-	Light blue	-
Density	23 °C	0.66 g/cm ³	DIN EN ISO 2811
Flammability	-	UL 94 V1	-
Penetration	-	30 1/10mm	DIN ISO 2137

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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.

Application details

- Encapsulation of electronic components for the automotive and power electronics industries
- Production of damping elements

Processing

Caution

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

To ensure homogeneity of the material, the components must be stirred thoroughly before they are removed or processed in their containers, in order to uniformly disperse any filler that might have separated during storage.

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 ELASTOSIL® RT 751 A/B being an addition-curing silicone rubber contains neither toxic nor aggressive substances which might require special handling precautions. General industrial hygiene regulations should be observed.

QR Code ELASTOSIL® RT 751 A/B



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

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