

ELASTOSIL® RT 778

RTV-2 Silicone Rubber

Characteristics

ELASTOSIL® RT 778 is a non-slump room temperature vulcanizing, condensation-curing, two-component silicone rubber with good primerless adhesion.

Special characteristics

- Thixotropic
- Medium hardness
- Non-slump
- Primerless adhesion on glass, aluminium, stainless steel, epoxy powder coatings

Product data (uncured)

Property	Test method	Unit	Value	
Component			EL RT 778	Catalyst T 78
Color			White	Black
Viscosity at 23 °C	ISO 3219, D = 0.5 1/s D = 25 1/s	[mPa s]	900,000 90,000	250,000
Density at 23 °C		[g/cm³]	1.3	1.1

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

Product data (catalyzed A+B)

Property	Test method	Unit	Value	
			Catalyst T 78	Catalyst T 77
Mixing ratio, parts by weight				
Pot life	8 : 1 12 : 1	[min]	3 8	5 12
Curing time	8 : 1 12 : 1	[min]	15 60	25 90

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

Product data (cured)

Property	Test method	Unit	Value
Color			Black
Density at 23 °C, in water	DIN EN ISO 1183-1	[g/cm³]	1.3
Hardness Shore A	DIN 53 505 / ISO 868		50
Tensile strength	DIN 53 504 S1 / ISO 37	[N/mm²]	3.5
Elongation at break	DIN 53 504 S1 / ISO 37	[%]	200
Weight loss at 250 °C continuous stress	7 days 14 days 21 days 24 days	[%]	2.9 4.4 5.7 6.8
Hardness at 250 °C continuous stress	7 days 14 days 21 days 24 days		45 49 51 53

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- Excellent heat stability
- Low weight loss at high temperatures

Application

- Adhesive and sealant for the Appliance industry

Processing

ELASTOSIL® RT 778 is processed by adding Catalyst T 78 or Catalyst T 77.

We recommend running preliminary tests to optimize conditions for the particular application. Comprehensive processing instructions are given in our leaflet "Wacker RTV-2 Silicone Rubber - Processing".

Storage

ELASTOSIL® RT 778 should be stored between 5 °C and 30 °C in the tightly closed original container. The 'Best use before end' date of each batch appears 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 information

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from Wacker subsidiaries.

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001. The Business Unit Elastomers of the Division Silicones is ISO/TS 16949 certified.

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

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