ELASTOSIL® RT 728 A/B

ELASTOSIL®

Room Temperature Curing Silicone Rubber (RTV-2)

ELASTOSIL® RT 728 A/B is a paste-like, thermally curable, two-part silicone rubber.

Vulcanized parts show excellent coolant resistance and a low compression set.

Properties

- adhesion on synthetic material
- long-term flexibility over a temperature range from -50 °C to +200 °C
- resistant to antifreeze-water mixtures
- low compression set
- short curing time

Technical data

Properties Uncured

Property	Condition	A	B	Method
Viscosity, dynamic (part A at shear rate 0.89 1/s)	-	1200 Pa.s	1000 Pa.s	DIN 53019

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

Catalyzed

Property	Condition	Value	Method
Viscosity, dynamic (1:1 mixture at shear rate 0.89 1/s)	-	1100 Pa.s	DIN 53019

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

Properties Cured

Cure conditions: 5 min / 165 °C, non postcured

Property	Condition	Value	Method
Appearance	-	opaque	-
Density	-	1.13 g/cm^3	ISO 1183-1 A
Hardness Shore A	-	60	DIN 53505
Tensile strength	-	4 N/mm^2	DIN 53504 S 1
Elongation at break	-	200 %	DIN 53504 S 1
Compression Set	22 h | 175 °C	15 %	DIN ISO 815-B
Tear strength	-	10 N/mm	ASTM D 624 B

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

Applications

- Automotive Electronics
- Cured-In-Place-Gaskets (Dry Type)

Application details

ELASTOSIL® RT 728 series are particularly suitable for the economical production of gaskets and rubberparts which are used for radiators in the automotive industry.

Processing

The A and B components are delivered ready to use in 20 liter drums. With standard metering equipment, they can be pumped directly from the original containers into the injection molding machine and mixed by a static mixer. The mixing ratio is 1 : 1.

For detailed information refer to our brochure SOLID AND LIQUID SILICONE RUBBER - MATERIAL AND PROCESSING GUIDELINES".

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

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 728 A/B

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

Wacker Chemie AG, Hanns-Seidel-Platz 4, 81737 Munich, Germany
info@wacker.com, www.wacker.com