ELASTOSIL® A33 IVORY

ELASTOSIL®

Moisture Curing Silicone Rubber (RTV-1)

ELASTOSIL® A33 IVORY is a non-slump RTV-1 silicone rubber, which cures at room temperature. During vulcanization it splits off an organic amine.

Properties

- amine-curing system
- no use of organotin catalysts
- good heat stability
- excellent primerless adhesion to many substrates
- Recommended service temperature from -45 °C to +200 °C
- max. recommended short term peak temperature exposure 220°C

Specific features

- Adhesion: Good mechanics
- Adhesion: Non-corrosive to metals
- Crosslinking Property: One-component
- Product Rheology: Non-slump
- Resistance: Oil resistant
- Specific Features: Broad adhesion profile
- Specific Features: Good heat stability
- Specific Features: Oil resistant
- Specific Features: One-component
- Surface Effect: Oil resistant

Technical data

Properties Uncured

Property	Condition	Value	Method
Color	-	ivory	-
Density	-	1.14 g/cm^3	DIN EN ISO 1183-1 A
Viscosity, dynamic D = 0.5 1/s	25 °C	1000000 mPa·s	DIN EN ISO 3219
Viscosity, dynamic D = 25 1/s	25 °C	250000 mPa·s	DIN EN ISO 3219
Curing time	23 °C | 50 % r.h	1.5 - 2 mm/d	-
Skin forming time	23 °C | 50 % r.h	10 - 30 min	-

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

Properties Cured

Curing conditions: 2 mm, 14 days storage at 23 °C and 50 % RH.

Property	Condition	Value	Method
Density	23 °C	1.17 g/cm^3	DIN EN ISO 1183-1 A
Hardness Shore A	-	28	DIN ISO 48-4
Tensile strength(1)	-	2.5 N/mm^2	ISO 37
Elongation at break	-	300 %	ISO 37

[1]Type 3 / 23°C / 2mm

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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

- DO NOT USE Small Appliances
- Small Appliances

Application details

- Multipurpose grade for sealing and bonding, suitable for high temperatures and oil contact

Processing

ELASTOSIL® A316 shows good primerless adhesion to many substrates. We recommend running preliminary tests to optimize conditions for the particular application.

Detailed processing instructions are given in our brochure “ROOM TEMPERATURE VULCANIZING (RTV) SILICONES - 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

During vulcanization of ELASTOSIL® A33 IVORY, an organic amine is split off. These vapours should not be inhaled for long periods or in high concentration. Work areas should therefore be well ventilated. Contact of unvulcanized silicone rubber with eyes and mucous membranes must be avoided as this would cause irritation. However if it does happen, rinse the affected area thoroughly with water.
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® A33 IVORY

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

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