

ELASTOSIL[®] N9111 GREY



Moisture Curing Silicone Rubber (RTV-1)

ELASTOSIL[®] N9111 GREY is a non-slump, alkoxy-cure one-component silicone, which cures at room temperature under the influence of atmospheric moisture.

Properties

- excellent adhesion to many substrates
- no inhibition effect to platinum-catalysed grades
- no use of organotin catalysts
- medium hardness Shore A
- Recommended service temperature from -45 °C to +180 °C

Specific features

- Non-slump
- Thixotropic
- Tin-free catalysis

Technical data

Properties Uncured

Property	Condition	Value	Method
Color	-	grey	-
Density	-	1.3 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	100000 mPa·s	DIN EN ISO 3219
Skin formation time	-	20 - 40 min	internal method
Curing speed	23 °C 50 % r.h	2 mm/d	-

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

Properties Cured

Curing Conditions: 14 days at 23 °C and 50 % rel. humidity, 2 mm sheet, no post-curing

Property	Condition	Value	Method
Color	-	grey	-
Density in water	23 °C	1.33 g/cm ³	DIN EN ISO 1183-1 A
Hardness Shore A	-	30	DIN ISO 48-4
Tensile strength ⁽¹⁾	-	2.2 N/mm ²	ISO 37
Elongation at break ⁽²⁾	-	500 %	ISO 37

¹Type 3 / 23°C / 2mm

²Type 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

- Automotive Electronics
- Automotive, Aerospace & Railway
- Formed-In-Place-Gaskets (Wet Type)
- Heating, Ventilation, Air Conditioning (HVAC)
- Household Applications
- Luminaires

- Measurement & Control, Sensor Technology
- Small Appliances
- White Goods

Application details

Multipurpose sealant & adhesive for the appliance, automotive and electronics industry.

Processing

Due to its shear thinning nature ELASTOSIL® N9111 GREY is easy to apply. The material starts curing upon contact to air humidity.

ELASTOSIL® N9111 GREY shows excellent primerless adhesion to many substrates, like glass, aluminium, stainless steel, PA and PBT.

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® N9111 GREY, a total of 3 % by weight of alcohol is split off. These vapours should not be inhaled for long periods or in high concentration. Work areas should therefore be well ventilated.

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® N9111 GREY



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

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