

ELASTOSIL[®] N 2010



Moisture Curing Silicone Rubber (RTV-1)

ELASTOSIL[®] N 2010 is a self-leveling, one-component silicone sealant, which cures at room temperature under the influence of moisture.

Properties

- neutral curing system (alkoxy)
- translucent
- sprayable
- primerless adhesion to many substrates
- solvent free
- Recommended service temperature from -45 °C to +180 °C

Specific features

- 1-component system
- Self-levelling
- Shear thinning

Technical data

Properties Uncured

Property	Condition	Value	Method
Color	-	colourless	-
Density	-	1.01 g/cm ³	DIN EN ISO 1183-1 A
Viscosity, dynamic	25 1/s	10.000 mPa·s	ISO 3219
Viscosity, dynamic	0.5 1/s	15.000 mPa·s	ISO 3219
Skin forming time	23 °C 50 % r.h	20 min	-

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	-	colourless	-
Density	23 °C	1.01 g/cm ³	DIN EN ISO 1183-1 A
Hardness Shore A	-	25	DIN ISO 48-4
Tensile strength ⁽¹⁾	-	1 N/mm ²	ISO 37 type 3
Elongation at break	-	200 %	ISO 37 type 3

¹Type 3 / 23°C / 2mm

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

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

- Appliances Industry
- E-Mobility
- Formed-In-Place-Gaskets (Wet Type)
- Heating & Cooling
- Lighting
- Machine Building
- Measurement & Control, Sensor Technology
- Railway Industry

Application details

General-purpose potting and coating grade for technical applications.

Processing

ELASTOSIL® N2010 is a ready-to-use, acid- and solvent-free, non-corrosive RTV-1 (room temperature vulcanizing, 1-component) silicone rubber suitable for many applications. Good adhesion to plastics and metals in combination with a elasticity and durability open up a wide range of potential uses.

The consistency of the uncured material allows processing by dipping, spraying, dispensing. ELASTOSIL® N2010 exhibits outstanding resistance to weathering, ageing, moisture, and UV light. The vulcanized silicone rubber permanently remains elastic over a wide temperature range from -50 °C to +180 °C (-58 to +356°F).

If removing of silicone rubber from machines or dispensing equipment is necessary, white spirit is recommended as a solvent. However, cleaning should take place before the rubber is fully cured.

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

ELASTOSIL® N 2010 releases during cure about 3 % methyl alcohol. These vapours should not be inhaled for long periods or in high concentrations. Hence good ventilation of the works place is necessary. 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® N 2010



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

Wacker Chemie AG, Gisela-Stein-Strasse 1, 81671 Munich, Germany
productinformation@wacker.com, www.wacker.com

The data presented in this medium 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 medium 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 information provided by us does 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 product for a particular purpose.