

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
- Broad adhesion profile
- Non-corrosive to metals
- Self-levelling
- Shear thinning
- Transluzent

Technical data

Properties Uncured

| Property | Condition | Value | Method |
|--------------------|------------------|------------------------|----------|
| Color | - | colourless | - |
| Density | 23 °C 1013 hPa | 1.01 g/cm ³ | ISO 2811 |
| Skin forming time | 23 °C 50 % r.h | 20 min | - |
| Viscosity, dynamic | 25 °C 25 1/S | 10000 mPa·s | ISO 3219 |
| Viscosity, dynamic | 25 °C 0.5 1/S | 15000 mPa·s | ISO 3219 |

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

Properties Cured

2 mm, 14 d storage at 23 °C, 50 % humidity

| Property | Condition | Value | Method |
|---------------------------------|-----------|------------------------|------------------------------|
| Color | - | colourless | - |
| Density | 23 °C | 1.01 g/cm ³ | DIN EN ISO 1183-1 A |
| Hardness Shore A | - | 25 | ISO 7619-1 / 23°C / d = 6 mm |
| Tensile strength ⁽¹⁾ | - | 1 N/mm ² | ISO 37 |
| Elongation at break | - | 200 % | ISO 37 |

¹Type 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.

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:

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