ELASTOSIL® N2010

RTV-1 SILICONE RUBBER / ADHESIVE

Product description

ELASTOSIL® N2010 is a self-leveling, one-component silicone sealant, which cures at room temperature under the influence of moisture.

Special features

- neutral curing system (alkoxy)
- translucent
- sprayable
- flowable
- primerless adhesion to many substrates
- solvent free

Application

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 for ELASTOSIL® N2010. 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.

Generally, we recommend to run preliminary tests to optimize conditions for the particular application.

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® N2010 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.

Product data

Typical general characteristics	Inspection Method	Value
Product data (uncured)		
Color		colorless
Density at 23 °C, at 1013 hPa	ISO 2811	1,01 g/cm³
Viscosity at 23 °C shear rate 0.5 1/s		20000 mPa*s
Viscosity at 23 °C shear rate 25 1/s		10000 mPa*s
Skin-forming time, 23 °C, 59 % RH		20 min
Product data (cured)		
Color		colorless
Density at 23 °C	ISO 2781	1,01 g/cm³
Hardness Shore A	ISO 7619	25
Elongation at break	ISO 37	200 %
Tensile strength	ISO 37	1,0 N/mm²

2mm, 7 d storage at 23 °C, 50 % RH

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

The data presented in this leaflet 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 leaflet 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 recommendations do 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 products for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

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

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