ELASTOSIL® N 2034

RTV-1 SILICONE RUBBER / ADHESIVE

Product description

ELASTOSIL® N 2034 is a flowable, one-component silicone sealant, which cures at room temperature under the influence of moisture.

Special features

- neutral curing system (alkoxy)
- short skin forming time
- rapid curing
- flowable
- primerless adhesion to many substrates
- good heat stability
- flame retardant: meets UL94 V-0

Application

- general-purpose adhesive for technical applications
- CIPG- and FIPG-applications e.g. for headlamps

Processing

ELASTOSIL® N 2034 is a ready-to-use, acid- and sovent-free, non-corrosive RTV-1 (room temperature vulcanizing, one-component) silicone rubber suitable for many applications.
Excellent adhesion to plastics and metals in combination with a high elasticity and durability open up a wide range of potential uses for ELASTOSIL® N 2034. The consistency of the uncured material allows a high application rate and makes it a good choice not only for dispensing from a caulking gun but also for automatic dispensing. Seals made from ELASTOSIL® N 2034 exhibit an outstanding resistance to weathering, ageing, moisture, and UV light.
The fully cured rubber can withstand expansion-compression cycles for many years and is therefore especially well suited for joining materials with different coefficients of thermal expansion.
The vulcanized silicone rubber permanently remains elastic over a wide temperature range from -50 °C to +180 °C (-58 °F 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. Afterwards only the use of mechanical forces in combination with a swelling solvent or the use of high temperatures of approximately 100°C will help to remove sealant residues.
We recommend to run preliminary tests to optimize conditions for the particular application.
Advice for application as FIPG- or CIPG-sealant is given in our leaflet "Modern Sealing Techniques with Silicone Rubber"; general instructions are given in our leaflet "ELASTOSIL® RTV-1 Silicone Rubber".

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 2034 releases during cure a total 3 % alcohol. These vapors 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		black
Density at 25 °C		1,15 g/cm³
Viscosity at 23 °C (D = 0.5 1/s)	ISO 3219	25000 mPa*s
Viscosity at 23 °C (D = 25 1/s)		15000 mPa s
Skin-forming time, 23 °C, 59 % RH		20 min
Product data (cured)		
Density at 23 °C	ISO 2781	1,16 g/cm³
Hardness Shore A	ISO 868	35
Elongation at break	ISO 37	200 %
Tensile strength	ISO 37	2,0 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

WACKER is a trademark of Wacker Chemie AG.
ELASTOSIL® is a trademark of Wacker Chemie AG.

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

Wacker Chemie AG
Hanns-Seidel-Platz 4
81737 München, Germany
info.silicones@wacker.com

www.wacker.com