ELASTOSIL® N9111 KR

RTV-1 SILICONE ADHESIVE

Product description

ELASTOSIL® N9111 KR is a one-component silicone adhesive with excellent adhesion properties which cures at room temperature under the influence of atmospheric moisture.

Special features

- Alkoxy curing system (Neutral)
- One component adhesive
- Excellent adhesion to various substrates without primer
- Stable and flexible from − 50 ℃ to + 200 ℃
- Non-slump
- Solvent-free

Application

ELASTOSIL® N9111 KR is intended for sealing, fixing and adhering electronic devices and components. It is a general purpose adhesive in FIPG and CIPG application for the electronics industry.

Processing

ELASTOSIL® N9111 KR can be readily dispensed from cartridge and bulk containers using conventional drum/pail pumps equipped with a high-pressure flexible fluid hose and extrusion gun.

- 270 Kg Drum
- 25 Kg Hobbock
- 416 g Cartridge(300 ml)

Storage

ELASTOSIL® N9111 KR needs to be stored at or below 30°C in the original unopened containers.

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

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.

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(JIS K 6249)

Product Data

Typical general characteristics		Unit	Value
Uncured Properties			
Appearance			Paste
Tack Free Time (23°C/50% relative humidity)		min	10
Mechanical Properties (7 days at 23°C/50% relative humidity)			
Colour			White/Black/Grey
Hardness		Shore A	32
Density			1.4
Tensile strength		MPa	2
Elongation at break		%	600
Tear strength		N/cm	210
Adhesion strength	Al to Al	Kgf/cm^2	12
Volume resistivity		Ω·m	1.03×10^{15}
Thermal conductivity		W/(m·K)	0.35
Dielectric strength		kV/mm	18
Dielectric constant		1 kHz	5.58
Dissipation factor		1 kHz	0.0051

* These values are not intended for use 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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