

ELASTOSIL® N 198 GREY US

SILICONE RUBBER

Product description

ELASTOSIL® N 198 GREY US is a non-slump, RTV-1 oxime cure silicone rubber that cures on contact with moisture in the air.

Special features

- Neutral cure
- Solvent-free
- Primerless adhesion to most substrates
- Available in Black or Gray

Application

ELASTOSIL® N 198 GREY US is intended for sealing and adhering electronic devices and components. It is a general purpose adhesive in FIPG and CIPG applications for the electronics industry.

Processing

ELASTOSIL® N 198 GREY US can be readily dispensed from bulk containers using conventional drum and pail pumps equipped with a high pressure flexible fluid hose and extrusion gun.

ELASTOSIL® N 198 GREY US is noncorrosive to most metals such as ferrous metal, silver, gold, tin and aluminum. Staining may occur on copper and brass in confined areas. Prior testing is recommended.

Further research has shown that in a confined area of <1L of volume with no ventilation and a relative

humidity in that volume of 56 to 80%, the by-product of cure from ELASTOSIL® N 198 GREY US will result in corrosion of copper beneath the staining.

Storage

The "Best use before end date" of each batch is shown on the Certificate of Analysis. Storage beyond the date specified on the Certificate of Analysis 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

For specific information regarding safe handling of this material, please refer to the Material Safety Data Sheet.

Specifications

Typical property values are not intended for use in the preparation of specifications. Please contact Wacker Silicones for assistance and recommendations before writing specifications on this product.

Contact:

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Product data

Typical general characteristics	Inspection Method	Value
Property		
Appearance		Gray Paste
Density		1.24 g/cm ³
Extrusion rate	ASTM C 603	75 ml/min
Slump		0 inches
Skin-over Time at 25°C / 50% re. humidity		25 min
Tack-free Time at 25°C / 50% re. humidity		60 min
Property¹⁾		
Durometer	ASTM D 2240	43 Shore A
Tensile strength	ASTM D 412	350.00 N/mm ²
Elongation at break	ASTM D 412	300 %
Intermittent Service Temperature		200 °C
Continuous Service Temperature		150 °C
Coefficient of thermal expansion	ASTM E 831	2.5 x 10 ⁻⁴
Dielectric Strength	IEC 60243	580 V/mil
Dielectric Strength	IEC 60243	23 kV/mm
Dielectric Constant at 1kHz	IEC 60250	3.2
Volume Resistivity	IEC 60093	1 x 10 ¹⁵
Dissipation Factor at 1 kHz	IEC 60250	0.01
Thermal conductivity		0.3 W/mK

¹⁾ Cured 7 days at 25°C/50% relative humidity.

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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