ELASTOSIL® N 198 GREY US

ELASTOSIL®

Moisture Curing Silicone Rubber (RTV-1)

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

Properties

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

Technical data

Properties Uncured

Property	Condition	Value	Method
Appearance	-	Gray Paste	-
Specific gravity	-	1.2 g/cm^3	-
Extrusion rate - volume flow	-	75 ml/min	ASTM C 603
Skin over time	25 °C | 50 % r.h	25 min	-
Slump	-	0 inch	-
Tack-free time	25 °C | 50 % r.h	60 min	-

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

Properties Cured

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

Property	Condition	Value	Method
Hardness Shore A	-	43	-
Tensile strength	-	350 N/mm^2	ASTM D 412
Elongation at break	-	300 %	ASTM D 412
Volume resistivity	-	1 x 10^{15} Ohmcm	-
Dielectric constant	1 kHz	3.2	-
Dissipation factor	1 kHz	0,01 tan δ	-
Dielectric strength	-	580 V/mil	-
Coefficient of thermal expansion	-	2.5 x 10^{-4} m/mK	-
Continuous Service Temperature	-	150 °C	-
Intermittent Service Temperature	-	200 °C	-
Thermal conductivity	-	0.3 W/m.K	-

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Application details

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.

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.

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.

Packaging and storage

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 Safety Data Sheet.

QR Code ELASTOSIL® N 198 GREY US

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

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