

SEMICOSIL[®] 979 EC



Moisture Curing Silicone Rubber (RTV-1)

SEMICOSIL[®] 979 EC is a RTV-1 amine cure silicone rubber that cures on contact with moisture in the air.

Properties

- Low volume resistivity
- Thixotropic paste
- Solvated
- Excellent adhesion to many substrates

Technical data

Properties Uncured

Property	Condition	Value	Method
Appearance	-	Black Paste	-
Specific gravity	25 °C	0.92 g/cm ³	-
Skin formation time ⁽¹⁾	-	10 min	-
Extrusion rate - mass flow	-	400 g/min	ASTM C 603
Solid constituent	-	70 %	-
Tack-free time	25 °C 50 % r.h	45 min	-

¹at 25°C/50%RH

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

Properties Cured

Cured for 7 days at 23 °C and 50% RH

Property	Condition	Value	Method
Hardness Shore A	-	35	ASTM D 2240
Tensile strength	-	200 psi	-
Elongation at break	-	200 %	-
Tear strength	-	5 ppi	-
Volume resistivity	-	10 Ohmcm	-

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All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Application details

SEMICOSIL® 979 EC is an electrically conductive adhesive for use in the electronics industry.

Processing

Surface Preparation

The surface should be clean and free from any contamination. Rubber surfaces may be lightly rubbed with a fine grit sand paper and then wiped clean with a solvent to improve adhesion. SEMICOSIL® 979 EC is not recommended for use with acrylic or polycarbonate substrates.

Application

SEMICOSIL® 979 EC can be readily dispensed using conventional pail pumps equipped with a high pressure flexible fluid hose and extrusion gun. Cartridges may be dispensed with a manual or pneumatic caulking gun. Material may be spread with a spatula either from the pails or cartridges.

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 SEMICOSIL® 979 EC



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

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