

ELASTOSIL[®] A16 BLUE



Moisture Curing Silicone Rubber (RTV-1)

ELASTOSIL[®] A16 BLUE is a solventless, one component, curable elastomer designed for electronic applications. Under normal conditions ELASTOSIL[®] A16 BLUE has a very long skin-over time. Once ELASTOSIL[®] A16 BLUE is in place on the substrate, the cure is induced by exposure to a combination of carbon dioxide and moisture.

Properties

- Carbon dioxide cure acceleration
- Can be silk screened
- Excellent adhesion

Technical data

Properties Uncured

Property	Condition	Value	Method
Appearance	-	Blue Liquid	-
Specific gravity	25 °C	1.80 g/cm ³	-
Viscosity, dynamic cP	25 °C	30000 mPa·s	WSTM-2103
Skin formation time ⁽¹⁾	-	5 min	-
Solid constituent	-	96 %	-

¹over minutes at 25 °C with moist carbon dioxide

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

Properties Cured

Property	Condition	Value	Method
Hardness Shore A	-	65	WSTM-1110
Tensile strength	-	2.76 mPa	-
Tensile strength	-	400 psi	-
Elongation at break	-	50 %	WSTM 1228

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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

Surface Preparation: The surface to be bonded should be properly prepared by cleaning with acetone, xylene, or other suitable solvent to remove all dirt and grease. The user must exercise care in selecting a cleaning solvent that is compatible with the materials to be bonded, and observe safety precautions in handling such solvents. Rubber surfaces should be lightly rubbed with sandpaper and then wiped clean with a cleaning solvent, usually acetone. The wet surface may be dried by wiping with a clean cloth or paper towel if necessary. ELASTOSIL® A16 BLUE is not recommended for use with acrylic or polycarbonate substrates.

Processing

After ELASTOSIL® A16 BLUE has been applied to the substrates, the cure may be accelerated and the adhesion enhanced by the application first of heat and then of moist CO₂. Adhesion of a 5 mil coating to most substrates can be enhanced by treating for four (4) minutes at 120°F followed by four (4) minutes in a moist CO₂ environment (40-50% humidity and 1-3% CO₂). On particularly difficult substrates, longer oven cycles at temperatures up to 140°F may be required to develop adhesion.

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® A16 BLUE



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

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