

ELASTOSIL[®] A 4



Moisture Curing Silicone Rubber (RTV-1)

ELASTOSIL[®] A 4 is a carbon dioxide vulcanizing, solventless, one component, curable elastomer designed for silk screen applications. ELASTOSIL[®] A 4 is a moisture curing material with a very long skin-over time. Once ELASTOSIL[®] A 4 is in place on the substrate, the cure may be induced by exposure to a combination of carbon dioxide and moisture. Adhesion may be improved by mildly preheating the substrate.

Properties

- Carbon dioxide cure acceleration
- Designed for silk screen applications (typical bead height 2-5 mils)
- Heat and oil resistant
- Adhesion to many substrates

Technical data

Properties Uncured

Property	Condition	Value	Method
Appearance	-	Red Liquid	-
Specific gravity	25 °C	1.35 g/cm ³	-
Viscosity, dynamic	25 °C	21000 cP	WSTM-2103
Skin-over Time, hrs, 25°C, 50% relative humidity	25 °C 50 % r.h	8 h	-
Skin-over Time, min, 25°C with moist carbon dioxide	25 °C	5 min	-
Solid, %	-	92 %	-

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

Properties Cured

Bead Thickness, 50 100 mil

Property	Condition	Value	Method
Hardness Shore A	-	50	WSTM-1110
Tensile strength	-	2.4 mPa	WSTM-1228
Tensile strength	-	350.0 psi	WSTM-1228
Elongation at break	-	100 %	-

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

Oil resistance

70 hrs/ 150 °C

Property	70 h / 150 °C IRM 901	70 h / 150 °C IRM 903	Method
Elongation loss, %	-20	-	-
Hardness, points change	-15	-30	-
Tensile loss, %	-20.0	-	-
Volume change, %	-10	60	-

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

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

For specific processing information refer to, "Information Regarding Carbon Dioxide Accelerated Cures".

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® A 4



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

Wacker Chemie AG, Hanns-Seidel-Platz 4, 81737 Munich, Germany
info@wacker.com, www.wacker.com

The data presented in this medium 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 medium 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 information provided by us does 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 product for a particular purpose.