

ELASTOSIL® A 4

SCREEN PRINTABLE SILICONE

Product description

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.

Special features

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

Application

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

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:

Wacker Chemical Corporation
3301 Sutton Road
Adrian, MI 49221-9397
Tel: 888-922-5374
info.usa@wacker.com

www.wacker.com

Product data

Typical general characteristics	Inspection Method	Value
Appearance	WSTM-219	Red Liquid
Viscosity, cP, at 25°C	WSTM-2103	21000
Solids (%)	WSTM-2288	92
Skin-over Time, min, 25°C with moist carbon dioxide	WSTM-2290	5
Skin-over Time, hrs, 25°C, 50% relative humidity, ambient conditions	WSTM-2118	8

As Cured (Bead Thickness, 50 100 mil)

Hardness Shore A	WSTM-1110	50
Tensile Strength, MPa	WSTM-1228	2.4
Tensile Strength, psi		350
Elongation at break	WSTM 1228	100 %

After Fluid Immersion ASTM #1 Oil (70hrs/150 C)

Hardness, points change	WSTM-1118	-15
Tensile loss, Max %	WSTM-1118	-20
Elongation, loss, Max %	WSTM-1118	-20

After Fluid Immersion IRM 903 Oil (70hrs/150 C)

Hardness, points change	WSTM-1118	-30
Volume change, %	WSTM-1118	60

Heat Resistance (70 hrs/225 C)

Hardness, points change	WSTM-1116	10
Tensile loss, Max %	WSTM-1116	-25
Elongation, loss, Max %	WSTM-1116	-30

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

WACKER is a trademark of Wacker Chemie AG.
ELASTOSIL® is a trademark of Wacker Chemie AG.

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

Wacker Chemical Corporation
3301 Sutton Road
Adrian, MI 49221-9397, USA