ELASTOSIL® A 2000

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Moisture Curing Silicone Rubber (RTV-1)

ELASTOSIL® A 2000 is a one-component, thixotropic sealant intended for gasketing and sealing applications where resistance to long-life lubricants (such as hypoid gear lubricant) under harsh conditions is required.

Properties

- One-component, room temperature cure
- Non-slump, unaffected by shear
- Adheres to most substrates without priming
- Resistant to hot lubricating oils

Specific features

- 1-component system
- Condensation-curing
- Fast curing at room temperature
- Flexible at low (-40 °C) and high temperatures (+150 °C)
- Media resistant
- Non-slump
- One-component
- Thixotropic

Technical data

General Characteristics

Property	Condition	Value	Method
Appearance	-	Red Paste	WSTM-2119
Keil extrusion Rate Keil	-	400 s	-
Skin over time	25 °C | 50 % r.h	10 min	WSTM-2118
Tack-free time	25 °C | 50 % r.h	15 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 and 50% relative humidity.

Property	Condition	Value	Method
Specific gravity	25 °C	1.52 g/cm^3	-
Hardness Shore A	-	45	WSTM-1110
Tensile strength	-	2.1 N/mm^2	WSTM-1228
Tensile strength	-	300 psi	WSTM-1228
Elongation at break	-	300 %	WSTM 1228
Continuous Service Temperature	-	150 °C	-

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Oil resistance

1008hr/150 °C

Property	1008 h / 150 °C Texaco 2224 Hypoid Gear Lubricant	Method
Hardness Shore A	19	WSTM-1118
Tensile strength	1 N/mm^2	WSTM-1118
Elongation at break	150 %	WSTM 1118
Volume swell	10 %	-

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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

Surfaces to be bonded must be clean, dry and free of oils and grease. ELASTOSIL® A 2000 can be bulk dispensed with conventional drum and pail extruder pumps to feed gasket tracing machines for precise bead placement and material efficiency. Manual applications for repair, short runs or low volume applications may be accomplished with a pail extruder equipped with a high pressure flexible fluid hose and extrusion gun. Recommended equipment suppliers for transfer systems and dispensing machines will be supplied upon request. For most gasket applications, a sealant bead of 3 to 4 mm width is sufficient. Assemble parts immediately so that the sealant is spread.

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 2000

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

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