

ELASTOSIL[®] LR 6294 A/B



Liquid Silicone Rubber (LSR)

ELASTOSIL[®] LR 6294 A/B Liquid Silicone Rubber is a two-component, solventless liquid silicone rubber system that cures rapidly upon heating to a tough silicone rubber. It has been formulated primarily as a high strength, moderate viscosity liquid rubber for fabric coating.

Properties

- 100% solids
- Good adhesion
- High tensile strength and elongation

Technical data

Properties Uncured

Property	Condition	A	B	Method
Appearance	-	Translucent	Translucent	DIN 51423
Viscosity, dynamic	25 °C	30000 cP	60000 cP	-

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

Properties Catalyzed A+B

Property	Condition	Value	Method
Viscosity, dynamic	25 °C	40000 cP	-
Pot life ⁽¹⁾	-	2 d	-

¹, 25°C

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Properties Cured

Property	Condition	Value	Method
Hardness Shore A ⁽¹⁾	-	30	ASTM D 2240
Specific gravity	25 °C	1.1 g/cm ³	-
Tensile strength	-	> 500 N/mm ²	ASTM D 412
Elongation at break	-	> 350 %	ASTM D 412
Tear strength	-	> 45 N/mm	ASTM D 624, Die B

¹, ± 5

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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

Cure is accomplished by simply mixing equal parts (1:1) by weight of part A and part B. Oven cure at 150 C-200°C (302 F-392°F) for one to six minutes depending on oven, coating thickness and type of fabric used. Curing may be retarded and prevented by nitrogen compounds such as amines and amides, sulfur compounds, anti-aging additives and other additives in rubbers and plastics. Therefore, a materials compatibility test is always recommended. Distinguishing Features ELASTOSIL® LR 6294 A/B when fully cured at recommended conditions is suitable for FDA requirements for 21 CFR 175.300 Resinous and Polymeric Coatings and 21 CFR 177.2600 Rubber Articles for Repeated Use subject to the total extractive limits as specified and published in the CODE OF FEDERAL REGULATIONS. Because this regulation contains limitations, compliance to the regulation is the responsibility of the user.

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® LR 6294 A/B



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

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