

ELASTOSIL[®] LR 6240 A/B



Liquid Silicone Rubber (LSR)

Solvent-free, free-flowing, addition curing two-component silicone rubber for textile coatings (e.g. electrical sleeveings)

Properties

- High flexibility and resilience
- High modulus

Technical data

Properties Uncured

Property	Condition	A	B	Method
Viscosity, dynamic ⁽¹⁾	-	25000 mPa·s	25000 mPa·s	Brookfield

¹ 2.5 rpm

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

Properties Cured

Cure conditions: mixture of LR 6240 A/B in ratio 1 : 1, 5 min / 165°C

Property	Condition	Value	Method
Appearance	-	transparent	-
Hardness Shore A	-	30	DIN ISO 48-4
Density	-	1.07 g/cm ³	DIN EN ISO 1183-1 A
Tensile strength	-	1.7 N/mm ²	ISO 37 type 1
Elongation at break	-	290 %	ISO 37 type 1
Tear strength	-	4.9 N/mm	ASTM D 624 B
Volume resistivity	-	5 x 10 ¹⁴ Ohmcm	IEC 62631-3-1
Permittivity	50 Hz	2.9	IEC 62631-2-1
Dissipation factor	50 Hz	140 x 10 ⁻⁴	IEC 62631-2-1
Dielectric strength (1-mm-sheet)	-	19 kV/mm	IEC 60243-1
Oxygen index LOI	-	26 %	ASTM D 2863

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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.

Applications

- Industrial Textiles
- Sleeveings

Application details

ELASTOSIL® LR 6240 A/B is a liquid silicone rubber with low viscosity to produce flexible textile coatings. It is especially suitable for the manufacture of conveyor belts and electrical insulation tubing.

The components of ELASTOSIL® LR 6240 A/B are in compliance with the positive lists of the Recommendation XV. Silicones of the BfR and FDA 21 CFR §175.300 and 177.2600. However, for compliance of the finished article with the before mentioned regulations the product has to be appropriately cured and given limitations on extractable and volatile substances have to be met.

Processing

ELASTOSIL® LR 6240 A/B is processed by thorough mixing of component A and B in a ratio of 1 : 1

Pot life at 23°C: 3 days

Recommended curing conditions: 3 min at 150°C or 1 min at 180°C

Adhesion of ELASTOSIL® LR 6240 A/B depends on substrate and can be improved with additives (e.g. CATALYST C05 or adhesion promoters). Preliminary testing should be carried out to determine optimum formulation and cure conditions.

Packaging and storage

Packaging

This product is available in 20 kg pails and 200 kg drum kits

Storage

Once opened, containers should always be resealed after use to prevent the platinum catalyst from being poisoned by amines, sulphur or phosphorus compounds.

The 'Best use before end' date of each batch is shown on the product label. Storage beyond the date specified on the label 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

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

QR Code ELASTOSIL® LR 6240 A/B



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

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