

ELASTOSIL[®] LR 6200 A/B



Liquid Silicone Rubber (LSR)

Solvent-free, free-flowing, addition curing two-component silicone rubber for textile coatings

Properties

- Very low viscosity gives good penetration into the substrate
- Dry surface touch
- Well suited for flame resistant textile coatings

Technical data

Properties Uncured

Property	Condition	A	B	Method
Viscosity, dynamic ⁽¹⁾	-	20000 mPa·s	20000 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 6200 A/B in ratio 1 : 1, 5 min / 165°C

Property	Condition	Value	Method
Appearance	-	white	-
Hardness Shore A	-	40	DIN ISO 48-4
Density	-	1.10 g/cm ³	DIN EN ISO 1183-1 A
Tensile strength	-	2.8 N/mm ²	ISO 37 type 1
Elongation at break	-	210 %	ISO 37 type 1
Tear strength	-	4.6 N/mm	ASTM D 624 B
Oxygen index LOI	-	31 %	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

- Architectural Textiles
- Flame & Heat Protection
- Textiles for Protective Clothing

Application details

ELASTOSIL® LR 6200 A/B is a liquid silicone rubber with very low viscosity to produce textile coatings with good penetration into the substrate and dry surface touch.

ELASTOSIL® LR 6200 A/B is well suited for textile coatings applications requiring enhanced flame retardancy.

Processing

ELASTOSIL® LR 6200 A/B is processed by thorough mixing of component A and B in a ratio 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 6200 A/B is generally good on nylon and polyester fabrics. It can be necessary in some cases to improve adhesion 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 6200 A/B



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

Wacker Chemie AG, Gisela-Stein-Strasse 1, 81671 Munich, Germany
productinformation@wacker.com, www.wacker.com

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