

ELASTOSIL[®] LR 6360 F



Liquid Silicone Rubber (LSR)

Solvent free, free flowing, addition curing silicone rubber for stiff textile coatings

Properties

- Low viscosity material for textile coating applications
- High additive tolerance for complicated adhesion problems
- Hard elastic film in combination with CROSSLINKER W (hardness Shore A about 60)
- Variable hardness in combination with ELASTOSIL[®] LR 6320 F

Technical data

Properties Uncured

Property	Condition	Value	Method
Viscosity, dynamic (1 s ⁻¹)	-	38000 mPa·s	DIN EN ISO 3219
Viscosity, dynamic (10 s ⁻¹)	-	28000 mPa·s	DIN EN ISO 3219

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

Properties Cured

Mixture 100 parts LR 6360 F + CROSSLINKER W, 5 min, 165 °C.

Property	Condition	Value	Method
Appearance	-	transparent	-
Hardness Shore A	-	60	DIN ISO 48-4
Density	-	1.07 g/cm ³	DIN EN ISO 1183-1 A
Tensile strength	-	5.0 N/mm ²	ISO 37 type 1
Elongation at break	-	150 %	ISO 37 type 1
Tear strength	-	6.1 N/mm	ASTM D 624 B

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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
- Industrial Textiles
- Lifestyle Textiles
- Textiles for Protective Clothing

Application details

ELASTOSIL® LR 6360 F is a multi-purpose liquid silicone rubber with low viscosity to produce textile coatings with a stiff hand and a dry surface. Due to the high additive tolerance the viscosity of mixtures with adhesion promoters will increase only moderately. Therefore, ELASTOSIL® LR 6360 F is especially well suited for textile coatings with demanding adhesion requirements.

The hardness and elasticity of the coating can be varied in combination with ELASTOSIL® LR 6320 F. For details please contact your local sales or technical manager at WACKER.

The components of ELASTOSIL® LR 6360 F 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 6360 F is processed by thorough incorporation of a crosslinker.

Recommended ratio is 100 parts of ELASTOSIL® LR 6360 F plus

- 4.5 parts of CROSSLINKER W

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 6360 F depends on substrate and can be varied by crosslinker type/amount and 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 25 kg pails and 200 kg drums.

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 6360 F



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

Wacker Chemie AG, Hanns-Seidel-Platz 4, 81737 Munich, Germany
productinformation@wacker.com, www.wacker.com

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