

# ELASTOSIL<sup>®</sup> LR 3153 A/B



## Liquid Silicone Rubber (LSR)

ELASTOSIL<sup>®</sup> LR 3153 A/B is a liquid, solvent-free silicone rubber designed for coatings on textile-braided cables and a primer for bonding silicone rubber on PEX surfaces.

## Properties

The product has a good adhesion to glass fiber and common textiles. It provides a glossy surface

It may be diluted with Isopar E or other aliphatic hydrocarbons.

This product can be used within a temperature range of - 55 °C to + 210 °C. The addition of heat stabilizers at service temperatures of more than 180 °C is recommended. Further information to improve the heat stability by use of specific ELASTOSIL<sup>®</sup> Color Pastes FL can be obtained from the Technical Information Sheet "ELASTOSIL<sup>®</sup> Color Pastes FL".

## Specific features

- Fast curing
- Heat resistant

## Technical data

### Properties Uncured

Property	Condition	A	B	Method
Appearance	-	colorless	colorless	-
Viscosity, dynamic (0.89 s <sup>-1</sup> )	25 °C	140000 mPa·s	110000 mPa·s	DIN EN ISO 3219
Density	23 °C	1.08 g/cm <sup>3</sup>	1.08 g/cm <sup>3</sup>	ISO 2811

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

### Properties Cured

Cure conditions: mixture of LR 3153 A/B in ratio 1 : 1, 5 min / 165°C

Property	Condition	Value	Method
Hardness Shore A	-	60	ISO 7619-1
Tensile strength	-	7.5 N/mm <sup>2</sup>	ISO 37 type 1
Elongation at break	-	170 %	ISO 37 type 1
Tear strength	-	14 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.

## Application details

Primer for bonding silicone rubber on PEX surfaces, coating for textile braided cables, coating for textiles and other substrates.

## Processing

The A and B components are delivered ready to use in 20 kg pail and 200 kg drum kits. With adequate metering equipment, they can be pumped directly from the original containers into the injection molding machine and mixed by a static mixer. The mixing ratio is 1 : 1. At room temperature, mixtures of A and B components have a pot life of at least three days.

As a primer for PEX surfaces, ELASTOSIL® LR 3153 A and 6 % crosslinker W are mixed and applied to the substrate and cured at 150 - 250 °C.

For detailed information refer to our brochure "SOLID AND LIQUID SILICONE RUBBER - MATERIAL AND PROCESSING GUIDELINES".

## Packaging and storage

### Packaging

This product is available in 20 kg pail 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 3153 A/B



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

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