

# SiSiB<sup>®</sup> LR51xx

## LSR for General Industrial Purpose Gasket & Parts

### DESCRIPTION

It is a two parts and platinum curable liquid silicone rubber for injection molding process with precolour. It is particularly developed for manufacturing of industrial mold and gasket parts.

### KEY FEATURES

- Easy precoloured
- Excellent thermal and weather ability
- Good rebound at low temperature
- Stable at high temperature

### TYPICAL PHYSICAL PROPERTIES

Product	LR5120	LR5130	LR5140
Hardness (Shore A)	20-24	28-32	38-42
Appearance	Precoloured	Precoloured	Precoloured
Gravity	1.08-1.11	1.11-1.13	1.11-1.14
Viscosity (Pa.s)	600-1000	1000-1500	1200-1600
Tensile Strength (MPa)	Min. 6.0	Min. 7.5	Min. 7.5
Elongation at Break (%)	Min. 750	Min. 650	Min. 460
Tear Strength (KN/m)	Min. 12	Min. 18	Min. 20
Compression Set, post cured (%)	Max. 25	Max. 25	Max. 25

Product	LR5150	LR5160	LR5170
Hardness (Shore A)	47-52	57-62	65-70
Appearance	Precoloured	Precoloured	Precoloured
Density	1.11-1.14	1.12-1.15	1.13-1.16
Viscosity (Pa.s)	1500-2200	2000-3000	2000-3000
Tensile Strength (MPa)	Min. 8.5	Min. 8.5	Min. 8.0
Elongation at Break (%)	Min. 450	Min. 400	Min. 350
Tear Strength (KN/m)	Min. 30	Min. 30	Min. 25
Compression Set, post cured (%)	Max. 25	Max. 25	Max. 25

Curing condition: 10 minutes at 140°C and post cure 4 hours at 200°C.

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Gasket & Parts*

## APPLICATIONS

Mold and gasket parts for general and auto industries.

## PACKING AND STORAGE

These products are supplied in 20Kg box, with plastic bag inside.

In the unopened original container it has a shelf life of one year in a dry and cool place.

## NOTES

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability. We disclaim liability for any incidental or consequential damages.

Please send all technical questions concerning quality and product safety to: [support@SiSiB.com](mailto:support@SiSiB.com).