

# SiSiB<sup>®</sup> LR60xx

*LSR for Optical*

## DESCRIPTION

It is a two parts and platinum curable liquid silicone rubber for injection molding or infusion molding for manufacturing various structure parts.

## KEY FEATURES

- Light transmittance >93%
- FDA 21 CFR 177.2600
- ROHS and REACH certificate

## TYPICAL PHYSICAL PROPERTIES

Product	LR6030	LR6040	LR6050
Appearance	Transparent	Transparent	Transparent
Ratio A:B	1:1	1:1	1:1
Viscosity (Pa.s)	30-50	30-50	30-50
Light Transmittance (%)	Min. 94	Min. 94	Min. 94
Rebound (%)	Min. 70	Min. 60	Min. 45
Hardness (Shore A)	28-32	38-42	48-52
Tensile Strength (MPa)	Min. 3.5	Min. 4.0	Min. 5.0
Tear Strength (KN/m)	Min. 7	Min. 9	Min. 13
Elongation at Break (%)	Min. 300	Min. 300	Min. 300
Compression Set (%)	Max. 1.5	Max. 1.5	Max. 1.5
Refractive Index (25°C)	1.41	1.41	1.41

Product	LR6060	LR6070	LR6080
Appearance	Transparent	Transparent	Transparent
Ratio A:B	1:1	1:1	1:1
Viscosity (Pa.s)	30-50	30-50	30-50
Light Transmittance (%)	Min. 93	Min. 93	Min. 93
Rebound (%)	Min. 40	Min. 35	Min. 30
Hardness (Shore A) (°A)	58-62	68-72	78-82
Tensile Strength (MPa)	Min. 5.2	Min. 5.5	Min. 6.0
Tear Strength (KN/m)	Min. 15	Min. 15.5	Min. 16
Elongation at Break (%)	Min. 280	Min. 200	Min. 200
Compression Set (%)	Max. 1.5	Max. 1.5	Max. 1.5
Refractive Index (25°C)	1.41	1.41	1.41

# SiSiB<sup>®</sup> LR60xx

*LSR for Optical*

## APPLICATIONS

For crystal cup, earphone sleeve, optical lens and parts, gasket ring, trade mark logo.

## 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).