

SiSiB® LR5330 Low Compression Set LSR

INTRODUCTION

SiSiB® LR5330 is a two-component, addition-curing liquid silicone rubber for injection molding. Heat curing produces a flexible elastomer with low compression set.

KEY FEATURES

- Low compression set for molded sealing components.
- Flexible cured elastomer with 30 Shore A hardness.
- 650% elongation at break for high extensibility.
- 1:1 mixing ratio for metered processing.
- Heat-activated addition curing for injection molding.

PHYSICAL PROPERTIES

Item	Typical Value	Method
Appearance, Part A	Translucent	-
Appearance, Part B	Translucent	-
Viscosity, Part A (Pa·s)	1,000	GB/T 22235-2008
Viscosity, Part B (Pa·s)	1,000	GB/T 22235-2008
Density (g/cm ³)	1.14	GB/T 533-2008
Hardness (Shore A)	30	GB/T 531.1-2008
Tensile strength (MPa)	6	GB/T 528-2009
Elongation at break (%)	650	GB/T 528-2009
Tear strength (kN/m)	13	GB/T 529-2008
Compression set (%) (22h, 175°C, %)	18*	GB/T 7759.1-2015

* Test specimens were post-cured at 200°C for 4 h prior to testing.
These values are typical and are not intended for use as specifications.

APPLICATIONS

SiSiB® LR5330 is suitable for injection-molded gaskets, automotive components and plug-in components requiring a flexible elastomer with low compression set.

PROCESSING GUIDE

Mix Components A and B thoroughly at a ratio of 1:1. Accurate proportioning of the two components is essential. Keep the material below 35°C during mixing and handling before molding.

After mixing, the material remains usable for 48 hours at 25°C. A reference

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curing condition is 130°C for 5 minutes. Actual cure time depends on part thickness and molding temperature.

Certain amines, sulfur compounds, organophosphorus compounds and organotin compounds may inhibit cure. Avoid contamination with such materials during mixing and processing.

PACKING

SiSiB® LR5330A/B is supplied in 20 kg plastic pails and 200 kg steel drums.

STORAGE

Keep the container tightly closed and store in a cool, dry and well-ventilated place. SiSiB® LR5330 has a shelf life of 12 months from the date of manufacture in the original unopened packaging.

HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website, from the distributor, or by contacting SiSiB customer service.

NOTE

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.

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