

SiSiB® LR8271 LSR for Electronic Products

INTRODUCTION

SiSiB® LR8271 is a platinum-cured, two-component liquid silicone rubber (LSR) designed for liquid injection molding (LIM). The material offers excellent tensile strength, tear resistance, and resilience, together with good heat aging performance.

KEY FEATURES

- Platinum addition-cure system
- Excellent tensile strength and tear resistance
- Good rebound resilience
- Good heat aging stability
- Complies with US FDA and EU RoHS standards
- Suitable for liquid injection molding applications

PHYSICAL PROPERTIES

Appearance	Translucent
Mixing Ratio (A:B)	1:1
Hardness (Shore A)	68
Tensile Strength (MPa)	Min. 7.5
Tear Strength (kN/m)	Min. 30
Elongation at Break (%)	Min. 320

APPLICATIONS

SiSiB® LR8271 is suitable for:

- Miscellaneous molded silicone parts
- Electronic components
- Consumer products
- General industrial silicone components

Above values are typical data and should not be used as specification.

PROCESSING GUIDE

SiSiB® LR8271 is designed for liquid injection molding (LIM). Parts A and B must be mixed thoroughly at a 1:1 ratio by weight using appropriate metering and mixing equipment.

Uniform mixing is essential to ensure complete curing and optimal mechanical performance.

Cure conditions should be optimized according to specific molding

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equipment and part geometry.

Avoid contact with amines, sulfur-containing compounds, organotin compounds, or other substances that may inhibit the platinum curing system.

PACKING

SiSiB® LR8271 is supplied in 20Kg drum or 200Kg drum, with plastic bag inside.

STORAGE

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

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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