

# SiSiB® LR9363 Self-Adhesive Liquid Silicone Rubber

## INTRODUCTION

SiSiB® LR9363 is a two-component, translucent, self-adhesive addition-cure liquid silicone rubber designed for injection or compression molding. It exhibits excellent adhesion to engineering plastics such as **PC, PET, and PBT** without the use of primers, while maintaining good release properties from metal molds. The cured elastomer offers high mechanical strength, fast curing, and is ideal for producing composite parts where liquid silicone and plastic are overmolded together.

## KEY FEATURES

- Excellent adhesion to PC, PET, and PBT
- Non-adhesion to metal molds
- Primerless bonding
- Fast cure at moderate temperatures
- Easy to pigment
- High mechanical strength
- Suitable for insert molding and co-injection molding

## PHYSICAL PROPERTIES

Appearance	Translucent
Viscosity (Pa·s)	A: 2000-4000, B: 4000-7000
Mixing Ratio (A:B, by weight)	1:1
Specific Gravity (g/cm <sup>3</sup> )	1.15
Hardness (Shore A)	60
Tensile Strength (MPa)	Min.7.0
Elongation (%)	Min.350
Tear Strength (kN/m)	Min.35
Cure Time at 120°C	150 seconds (2 mm)

*Note: These values are typical and are not intended for use as specifications.*

## APPLICATIONS

- Overmolded components in consumer electronics
- Seals, buttons, and grips in handheld devices
- Medical-grade parts (upon request)
- Automotive connectors and housing gaskets

## PROCESSING GUIDE

- **Mix Ratio:** A:B = 1:1 (by weight)
- **Processing Method:**

The ready-to-use mixture of components A and B should be fed directly from

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the original container into the injection molding machine through a metering and mixing unit.

- **Recommended Curing Conditions**

120°C for 150 seconds (2 mm thickness)

Can be adjusted based on part size/thickness

- **Pot Life**

The pot-life of the mixture of the two components (closed vessel) at 20°C is usually 1-2 days. Increased temperatures reduce the pot-life.

### PACKING

SiSiB® LR9363 is supplied in 20Kg or 200Kg Drum.

### STORAGE

In the unopened original container, it has a shelf life of 12 months at the temperatures below 37°C 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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