

SiSiB® LR9521 LSR for Screen Printing

INTRODUCTION

SiSiB® LR9521 is a two-parts platinum curing liquid silicone rubber.

KEY FEATURES

- Excellent weather resistance
- Superior anti-slip performance
- Non-toxic and eco-friendly
- Strong adhesion to fabrics
- High strength, low hardness, and excellent transparency
- Soft and delicate texture
- Remarkable three-dimensional effect

PHYSICAL PROPERTIES

Appearance	Translucent
Viscosity Part A (mPa.s)	150,000-200,000
Viscosity Part B (mPa.s)	150,000-200,000
Hardness (Shore A)	20-24
Tensile Strength (MPa)	Min.2.5
Tear Strength (kN/m)	Min.8.0
Elongation (%)	Min.500

Curing condition: 1 minute at 150°C-160°C.

Note: The above data is provided for reference only and is not intended as a specification.

APPLICATIONS

SiSiB® LR9521 is used for anti-slip applications in textiles, apparel, and webbing and screen printing, enhancing the elasticity and stretchability of elastic bands, and bra cup bonding.

PROCESSING GUIDE

Screen Printing Operation Procedure:

1. Combine Part A and Part B in a 1:1 ratio. For coloration, add 5% standard color paste or 8% fluorescent color paste, then mix thoroughly.
2. Select an 80-100 mesh screen. Use a squeegee to repeatedly apply the liquid silicone rubber (LSR) and curing agent mixture onto the fabric, thereby forming a silicone layer. Immediately transfer the fabric to an oven dryer at approximately 120°C.

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3. Repeat the screening and drying process 2-3 times to build up the required thickness of the silicone layer on the socks.

PACKING

SiSiB® LR9521 is supplied in 25Kg pail or 200Kg drum.

STORAGE

In the unopened original container SiSiB® LR9521 has a shelf life of 12 months 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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