

SiSiB® HR1131 Heat Consistency Silicone Rubber (HCR)

Low Compression Set HCR for Molding

INTRODUCTION

SiSiB® HR1131 is a peroxide-curable, high-consistency silicone rubber (HCR) designed for molding. It offers high resilience and low compression set, along with excellent mechanical properties, anti-yellowing behavior, and processability.

KEY FEATURES

- High resilience
- Low compression set
- Excellent mechanical properties
- Good processability, easy to demold
- Non-stick to rolls during processing
- Good resistance to yellowing

PHYSICAL PROPERTIES

Appearance	Translucent
Density (g/cm ³)	1.06 - 1.10
Hardness (Shore A)	27 - 33
Tensile Strength (MPa)	Min. 5.0
Elongation (%)	Min. 380
Tensile Set (%)	Max. 4.0
Tear Strength (KN/m)	Min. 16.0
Compression set (180°C*22h, %)	Max.10

Recommended Curing: 175°C × 5 minutes

Curing Agent: 2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane

Recommended Dosage: 0.65 wt%

The physical values listed are for reference only and not intended as specifications.

APPLICATIONS

SiSiB® HR1131 is widely used in the production of molded silicone rubber parts that require excellent resilience and low compression set, including keypads, O-rings, gaskets, shaft seals, rubber rollers, and other dynamic sealing parts.

PACKING

SiSiB® HR1131 is supplied in 20Kg box.

STORAGE

In the unopened original container, SiSiB® HR1131 has a shelf life of 6

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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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