

SiSiB® HR5640 High Rebound High Consistency Silicone Rubber

INTRODUCTION

SiSiB® HR5640 is a high rebound high consistency silicone rubber (HCR) designed for molding applications. The series combines good processability with well-balanced mechanical properties, while offering outstanding rebound resilience and compression resistance. It is suitable for molded silicone rubber components requiring enhanced elasticity and long-term sealing performance.

KEY FEATURES

- Compliance with FDA requirements
- Good processability and comprehensive mechanical properties
- Excellent rebound resilience

PHYSICAL PROPERTIES

Appearance	Milk-white, Transparent
Hardness (Shore A)	40+/-2
Tensile Strength (MPa)	Min.6.5
Elongation (%)	Min. 380
Tensile Set (%)	Max. 6.0
Tear Strength (KN/m)	Min. 16.0
Compression Set (180%*22h)	Max. 28.0
Rebound Resilience (%)	Min. 65.0
Curing Agent Content	0.65%
Curing Condition	175°Cx5min

The above values are typical and not intended for use as specifications.

APPLICATIONS

SiSiB® HR5640 is suitable for silicone rubber products requiring high rebound performance, such as:

- O-rings
- Sealing elements
- Elastic gaskets
- Various molded silicone rubber components

PACKING

SiSiB® HR5640 is supplied in 20Kg box, with plastic bag inside.

STORAGE

When stored in the original unopened packaging in a cool and dry place, the shelf life is 12 months from the date of manufacture.

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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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