

SiSiB® HR5250 Standard HCR for Molding

INTRODUCTION

SiSiB® HR5250 is a standard high consistency silicone rubber (HCR) designed for molding applications. The series provides well-balanced mechanical properties, good processing behavior, and stable performance across a wide hardness range. It is suitable for the production of buttons, insulating components, sealing rings, and various molded silicone rubber parts.

KEY FEATURES

- Compliance with FDA requirements
- Good processability
- Well-balanced physical properties
- Excellent resistance to yellowing
- Available in 30-90 Shore A hardness grades
- Service temperature range: -50°C to 200°C

PHYSICAL PROPERTIES

Appearance	Translucent
Hardness (Shore A)	50+/-2
Tensile Strength (MPa)	Min.8.0
Elongation at Break (%)	Min. 350
Tensile Set (%)	Max. 7.0
Tear Strength, Die C (KN/m)	Min. 22.0
Compression Set, 180°C *22h	Max. 30.0
Rebound Resilience, %	Min. 55.0

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

APPLICATIONS

SiSiB® HR5250 is suitable for a wide range of general-purpose molded silicone rubber applications requiring balanced mechanical properties, good heat resistance, and long-term durability. The products are especially appropriate for components used in electrical, industrial, and consumer applications.

- Keypads for electronic and electrical appliances
- Electrical insulation components and automotive accessories
- Industrial and civil sealing rings
- General molded silicone rubber parts and translucent products

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PACKING	SiSiB® HR5250 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.
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	<p>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.</p> <p>We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.</p> <p>We disclaim liability for any incidental or consequential damages.</p>