

SiSiB® HR0900 General HCR for Molding

INTRODUCTION

SiSiB® HR0900 series is a general-purpose heat-cured high consistency silicone rubber (HCR) designed for molding applications.

The series provides balanced mechanical properties, good processing behavior, and stable physical performance. It is suitable for the production of translucent silicone rubber parts requiring resilience and durability.

KEY FEATURES

- Good machining performance
- Excellent physical properties and resilience
- Good transparency and resistance to yellowing
- ROHS test passed

PHYSICAL PROPERTIES

Product	HR0930	HR0940	HR0950
Appearance	Translucent	Translucent	Translucent
Hardness (Shore A)	30+/-2	40+/-2	50+/-2
Tensile Strength (MPa)	Min.4.5	Min.6.5	Min.7.0
Elongation (%)	Min. 500	Min. 420	Min. 320
Tensile Set (%)	Max. 8.0	Max. 8.0	Max. 8.0
Curing Agent	C-15	C-15	C-15
Curing Agent Content	1.4%	1.4%	1.4%
Curing Condition	170°C x 5min	170°C x 5min	170°C x 5min

Product	HR0960	HR0970	HR0980
Appearance	Translucent	Translucent	Translucent
Hardness (Shore A)	60+/-2	70+/-2	80+/-2
Tensile Strength (MPa)	Min.7.0	Min.7.0	Min.6.0
Elongation (%)	Min. 250	Min. 200	Min. 120
Tensile Set (%)	Max. 8.0	Max. 6.0	Max. 6.0
Curing Agent	C-15	C-15	C-15
Curing Agent Content	1.4%	1.4%	1.4%
Curing Condition	170°C x 5min	170°C x 5min	170°C x 5min

APPLICATIONS

- Keypads
- Seals and gaskets
- Industrial miscellaneous molded parts

SiSiB[®] HR0900 General HCR for Molding

PACKING	SiSiB [®] HR09xx is supplied in 20Kg box, with plastic bag inside.
STORAGE	In the unopened original container it has a shelf life of one year 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	<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>