

INTRODUCTION

SiSiB® HR02xx is general purpose type heat cured elastomer for molding.

KEY FEATURES

- ☐ Very good transparency and appearance
- ☐ Excellent process ability
- ☐ Well balanced physical properties and bound resilience
- ☐ 30, 40, 50, 60, 70, 80, 90 durometer grades available
- ☐ ROHS test passed.
- ☐ UL94 HB test passed.

TYPICAL PHYSICAL PROPERTIES

Product	HR0230	HR0240	HR0250	HR0260
Appearance	Translucent	Translucent	Translucent	Translucent
Hardness (Shore A)	30+/-2	40+/-2	50+/-2	60+/-2
William Plasticity	130+/-20	160+/-20	190+/-20	240+/-30
Tensile Strength (MPa)	Min. 4.5	Min. 6.5	Min. 7.0	Min. 7.0
Elongation (%)	Min. 500	Min. 420	Min. 320	Min. 250
Tensile Set (%)	Max. 8.0	Max. 8.0	Max. 8.0	Max. 6.0
Tear Strength (KN/m)	Min. 12.0	Min. 16.0	Min. 18.0	Min. 18.0
Linear Shrinkage (%)	3.3-3.8	3.2-3.7	3.1-3.6	3.0-3.5
Curing Agent	C-8	C-8	C-8	C-8
Curing Agent Content	2.0%	2.0%	2.0%	2.0%
Curing Condition	170°C×5min	170°C×5min	170°C×5min	170°C×5min

Product	HR0270	HR0280	HR0290
Appearance	Translucent	Translucent	Translucent
Hardness (Shore A)	70+/-2	81+/-3	90+/-3
William Plasticity	350+/-40	330+/-40	370+/-40
Tensile Strength (MPa)	Min. 7.0	Min.6.0	Min.5.0
Elongation (%)	Min. 200	Min. 120	Min. 100
Tensile Set (%)	Max. 6.0	Max. 6.0	Max. 8.0
Tear Strength (KN/m)	Min. 16.0	Min. 16.0	Min. 18.0
Linear Shrinkage (%)	2.9-3.4	2.9-3.4	2.8-3.4

HCR

SiSiB[®] HR0200

Advanced for Molding

Curing Agent	C-8	C-8	C-8
Curing Agent Content	2.0%	2.0%	2.0%
Curing Condition	170°C×5min	170°C×5min	170°C×5min

APPLICATIONS

- ☐ Keypads
- ☐ Gasket
- ☐ Parts

PACKING AND STORAGE

SiSiB[®] HR02xx is supplied in 20Kg box, with plastic bag inside.

In the unopened original container it has a shelf life of one year in a dry and cool place.

NOTES

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.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability. We disclaim liability for any incidental or consequential damages.

Please send all technical questions concerning quality and product safety to: support@SiSiB.com.

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