

INTRODUCTION

SiSiB[®] HR60xx is flame retardant heat cured elastomer with flammability UL94 V-0, suitable for cables, wires, parts.

KEY FEATURES

- ☐ Very good flame-retardant ability
- ☐ Excellent process ability
- ☐ Well balanced physical properties.
- ☐ 30, 40, 50, 60, 70, 80 90 durometer grades available.
- ☐ ROHS test passed.
- ☐ UL94 V-0 file number

TYPICAL PHYSICAL PROPERTIES

Product	HR6030	HR6040	HR6050	HR6060
Appearance	White	White	White	White
Hardness (Shore A)	30+/-3	40+/-3	50+/-3	60+/-3
Williams Plasticity	160+/-20	180+/-30	200+/-40	205+/-35
Tensile Strength (MPa)	Min.2.0	Min.3.0	Min.3.0	Min.4.5
Elongation (%)	Min. 500	Min. 400	Min. 350	Min. 220
Tensile Set (%)	Max. 12.0	Max. 12.0	Max. 10.0	Max. 12.0
Tear Strength (KN/m)	Min. 6.0	Min. 10.0	Min. 10.0	Min. 14.0
Curing Agent	C-8E	C-8E	C-8E	C-8E
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	HR6070	HR6080	HR6090
Appearance	White	White	White
Hardness (Shore A)	70+/-3	80+/-3	87+/-3
Williams Plasticity	285+/-35	330+/-40	340+/-40
Tensile Strength (MPa)	Min.4.0	Min.3.5	Min.3.0
Elongation (%)	Min. 150	Min. 100	Min. 60
Tensile Set (%)	Max. 8.0	Max. 8.0	Max. 8.0
Tear Strength (KN/m)	Min. 10.0	Min. 12.0	Min. 12.0
Curing Agent	C-8E	C-8E	C-8E
Curing Agent Content	2.0%	2.0%	2.0%

HCR

SiSiB[®] HR6000

Flame Retardant

Curing Condition	170°C×5min	170°C×5min	170°C×5min
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APPLICATIONS

- ☐ Wires and cables
- ☐ Parts

PACKING AND STORAGE

SiSiB[®] HR60xx 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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