

SiSiB[®] LR4xxx

LSR for Oil -bleeding & Low Compression Set

DESCRIPTION

It is a two parts, platinum cured, opaque materials with oil bleeding properties for injection molding process. It is designed to manufacture molded pieces. After the curing process, an oil film exudes out of the vulcanizates over an extended period of time. It has a good mechanical property and a low compression set after molded without post-curing.

KEY FEATURES

- Low compression set without post-curing
- Oil bleeding
- Easily precoloured
- Heat and aging resistance

TYPICAL PHYSICAL PROPERTIES

Product	LR4150	LR4240	LR4250
Hardness (Shore A)	47-52	38-42	47-52
Appearance	Opaque	Opaque	Opaque
Fluid Content	1.50	2.00	2.00
Density (g/cm ³)	1.11-1.14	1.11-1.14	1.11-1.14
Viscosity (Pa.s)	1500-2200	1200-1600	1500-2200
Tensile Strength (MPa)	Min. 8.5	Min. 7.5	Min. 8.5
Elongation at Break (%)	Min. 480	Min. 460	Min. 450
Tear Strength (KN/m)	Min. 27	Min. 20	Min. 30
Compression Set, NPC	Max. 20	Max. 20	Max. 20
Compression Set	Max. 12	Max. 12	Max. 12

Product	LR4260	LR4270	LR4330
Hardness (Shore A)	57-62	65-70	28-32
Appearance	Opaque	Opaque	Opaque
Fluid Content	2.00	2.00	3.00
Density (g/cm ³)	1.12-1.15	1.13-1.16	1.11-1.13
Viscosity (Pa.s)	2000-3000	2000-3000	1000-1500
Tensile Strength (MPa)	Min. 8.5	Min. 8.0	Min. 7.5
Elongation at Break (%)	Min. 400	Min. 350	Min. 650
Tear Strength (KN/m)	Min. 30	Min. 25	Min. 18
Compression Set, NPC	Max. 25	Max. 25	Max. 20

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Compression Set	Max. 15	Max. 15	Max. 15
Product	LR4340	LR4420	LR4430
Hardness (Shore A)	38-42	20-24	38-42
Appearance	Opaque	Opaque	Opaque
Fluid Content	3.00	4.00	4.00
Density	1.11-1.13	1.08-1.11	1.10-1.12
Viscosity (Pa.s)	1000-1500	600-1000	1000-1500
Tensile Strength (MPa)	Min. 8.0	Min. 6.0	Min. 7.0
Elongation at Break (%)	Min. 560	Min. 750	Min. 650
Tear Strength (KN/m)	Min. 25	Min. 12	Min. 18
Compression Set, NPC	Max. 20	Max. 20	Max. 20
Compression Set	Max. 15	Max. 15	Max. 15

Product	LR4440	LR4450	LR4620	LR4630
Hardness (Shore A)	38-42	48-52	18-22	28-32
Appearance	Opaque	Opaque	Opaque	Opaque
Fluid Content	4.00	4.00	6.00	6.00
Density (g/cm ³)	1.12-1.14	1.12-1.14	1.09-1.11	1.11-1.12
Viscosity (Pa.s)	1800-2500	1800-2500	600-1000	1000-1500
Tensile Strength (MPa)	Min. 8.0	Min. 8.0	Min. 6.0	Min. 6.5
Elongation at Break (%)	Min. 550	Min. 450	Min. 700	Min. 700
Tear Strength (KN/m)	Min. 20	Min. 27	Min. 13	Min. 15
Compression Set, NPC	Max. 20	Max. 20	Max. 20	Max. 20
Compression Set	Max. 12	Max. 12	Max. 15	Max. 15

Curing condition: 10 minutes at 140°C and post cure 4 hours at 200°C.

APPLICATIONS

Automotive cable and connector seals, grommets, gaskets

PACKING AND STORAGE

These products are 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.

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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.