

SiSiB[®] LR25xx

LSR for Insulator

KEY FEATURES

- ☐ Excellent processing of low viscosity.
- ☐ Outstanding Hydrophobicity against leakage currents and flash-overs.
- ☐ High weathering resistance to UV Radiation.
- ☐ Good tracking and erosion resistance.
- ☐ Low flammability.
- ☐ Elasticity at low temperature.
- ☐ Stability at high temperature.

TYPICAL PHYSICAL PROPERTIES

Product	LR2531	LR2535	LR2540
Appearance	Light grey	Light grey	Light grey
Mix Ratio	10:1	1:1	1:1
Viscosity A (Pa.s)	20	30-40	40-70
Viscosity B (Pa.s)	1-3	30-40	40-70
Mixed Viscosity (Pa.s)	15-21	30-40	40-70
Curing Initiation Temperature (°C)		105	105
Pot life @ 23°C	70 Min	2 Days	2 Days
Density (g/cm ³)	1.04-1.14	1.03-1.13	1.03-1.13
Hardness (Shore A)	27-35	33-38	38-43
Tensile Strength (MPa)	5.5	Min. 6	Min. 6
Elongation (%)	450	Min. 400	Min. 300
Tear Strength (kN/m)	Min. 10	Min. 11	Min. 10
Dielectric Strength (1mm-sheet) (KV/mm)	Min. 22	Min. 23	Min. 23
Volume Resistivity (Ω.cm)	10 ¹⁵	10 ¹⁵	10 ¹⁵
Permittivity 50Hz	2.8-3.0	2.8-3.0	2.8-3.0
Dissipation Factor 50Hz	0.0016	0.0016	0.0016
Arc Resistance	Min. 300s	Min. 300s	Min. 300s
Tracking Resistance	1A3.5	1A4.5	1A4.5
Flammability	FV 1	FV 0	FV 1
Processing	Casting	Injection	Injection

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Product	LR2540FR	LR2545
Appearance	Light grey	Light grey
Mix Ratio	1 : 1	1 : 1
Viscosity A (Pa.s)	40-70	70-90
Viscosity B (Pa.s)	40-70	70-90
Mixed Viscosity (Pa.s)	40-70	70-90
Curing Initiation Temperature (°C)	105	105
Pot life @ 23°C	2 Days	2 Days
Density (g/cm ³)	1.03-1.13	1.03-1.13
Hardness (Shore A)	38-43	44-50
Tensile Strength (MPa)	Min. 7	Min. 7.2
Elongation (%)	Min. 380	Min. 440
Tear Strength (kN/m)	Min. 12	Min. 15
Dielectric Strength (1 mm-sheet) (kN/m)	Min. 23	Min. 23
Volume Resistivity (Ω.cm)	10 ¹⁵	10 ¹⁵
Permittivity 50Hz	2.8-3.0	2.8-3.0
Dissipation Factor 50Hz	0.0016	0.0016
Arc Resistance	Min. 300s	Min. 300s
Tracking Resistance	1A4.5	1A6.0
Flammability	FV 0	FV 0
Processing	Injection	Injection

Curing condition: 10 minutes at 165°C.

APPLICATIONS

- ☐ Suspension and long rod insulators and hollow core insulators
- ☐ Surge arresters

PACKING AND STORAGE

SiSiB[®] LR25xx 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

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