

## Liquid Silicone Rubber LR-LSRVI

## **Description and Feature:**

Liquid silicone rubber LR-LSRVI is a medium and high voltage insulated liquid silicone rubber.

It supports extrusion molding and offers outstanding electrical performance and flame resistance, along with UV and ozone resistance.

**Test** :AB ratio is 1:1; 130°C x 5min x 15MPa.

## **Typical Technical Properties:**

Item	LSRVI-40E	LSRVI-45E	LSRVI-60E	LSRVI-45
Appearance	Light grey/camel/red	Light grey	Grey	White
Viscosity A (Pa⋅s)	250-400	70-100	1500-2000	300
Viscosity B (Pa·s)	250-400	70-100	1500-2000	300
Hardness (Shore A)	43-48	37-43	55-60	35-40
Density (g/cm <sup>3</sup> )	1.11	1.11	1.15	1.12
Tensile Strength (MPa)	7	7	8.5	8
Elongation (%)	500	450	550	600
Tear Strength (kN/m )	22	22	35	30
Dielectric constant at 100HZ	3.03	2.95	3.3	2.7
Dissipation factor at 100HZ	0.0016	0.0017	0.004	0.004
Resistance to electric leakage and marking	1A3.5	1A4.5	1A3.5	1A4.5
Dielectric Strength (kV/mm)	24.3	20.5	22	23
Volume Resistivity (Ω·cm)	1.0*10 <sup>15</sup>	1.0*10 <sup>15</sup>	1.0*10 <sup>15</sup>	1.0*10 <sup>15</sup>
Flame class	FV-0	FV-0	FV-0	UL94-V0
Oxgen index	-	-	-	29.50

**Application**: Ideal for manufacturing transformer sheaths, arc-extinguishing chamber covers, composite insulators, high-voltage insulation sheds, insulating sheaths, and related components.

## Package &Storage:

In 20kg or 200kg drum.

Keep in cool, dry and ventilated place. Keep away from sunlight and fire sources. Keep in unopened containers, shelf life is 12 months from the date of production. It is shipped as non-hazardous substance. Storage beyond the shelf life does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

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