



## Liquid Silicone Rubber LR-LSRCA

### Description and Feature:

Liquid silicone rubber LR-LSRCA is a LSR for cable accessories which is a type of high-voltage-resistant liquid silicone rubber with a two component platinum-catalyzed system, using a 1:1 A/B ratio. Component A is transparent, while Component B is gray.

It's suitable for injection molding, with high tensile strength, excellent elongation, strong tear resistance, low compression set, rapid curing time, and compliant with RoHS and REACH certifications.

**Test** :130°C x 10min,200°C x 4H.

### Typical Technical Properties:

Item		LSRCA-35T	LSRCA-35	LSRCA-35R	LSRCA-45
Appearance		Translucent	Grey	Red	Grey
Hardness (Shore A)		35-42	35-42	48	35-40
Density (g/cm <sup>3</sup> )		1.13	1.13	1.14	1.12
Tensile Strength (MPa )		9.5	9.5	9.0	8.0
Elongation (%) )		800	800	650	600
Tear Strength (kN/m )		40	40	35	30
Hot air aging (153°C ± 3°C x 7D)	Tensile strength change rate (%) )	< ± 10	< ± 10	< ± 10	< ± 10
	Elongation change rate(%) )	< ± 10	< ± 10	< ± 10	< ± 10
Permanent deformation at constant extension 300% x 90°C x 168H		< 5%	< 5%	< 5%	< 5%
Dielectric constant at 100HZ		3.03	3.03	3.03	2.70
Dissipation factor at 100HZ		0.0029	0.0029	0.0029	0.004
Resistance to electric leakage and marking		1A3.5	1A3.5	1A3.5	1A4.5
Dielectric Strength (kV/mm)		24	24	22	23
Volume Resistivity(Ω.cm)		1.0x10 <sup>16</sup>	1.0x10 <sup>16</sup>	1.0x10 <sup>16</sup>	1.0x10 <sup>16</sup>

**Application:** Medium-voltage cable accessories, internal and external cold-shrink terminations, transition joints, and sheathing.

### Package &Storage:

In 20kg or 200kg drum.

Keep in cool, dry and ventilated place. Keep away from sunlight and fire sources. Keep in unopened

# Technical Data Sheet



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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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