



## Liquid Silicone Rubber LR-LSRSF

### Description:

LR-LSRSF Self-lubricating Liquid Silicone Rubber (LSR) combines the properties of traditional silicone with built-in lubrication, reducing friction and wear in applications. Ideal for components requiring smooth movement, it enhances performance in automotive, medical, and industrial sectors, offering longevity and efficiency while minimizing the need for additional lubricants.

### Excellent performance:

Excellent weather resistance;  
Good chemical inertness;  
Excellent processing performance;  
Good mechanical properties.

### Typical Technical Properties:

Test Item	LSRSF-20A/B	LSRSF-30A/B	LSRSF-40A/B	LSRSF-50A/B
Appearance	no obvious mechanical impurities			
Viscosity (Pa.s, 10/s)	200	220	250	270
Density, g/cm <sup>3</sup>	1.10	1.11	1.12	1.12
Oil content, %	1-6	1-6	1-6	1-6
Permanent Compression Set(% , 177 °C , 22h)	≤20	≤20	≤20	≤20
Hardness (Shore A)	17-23	23-37	37-43	47-53
Tensile Strength (MPa ≥)	6.0	7.0	7.0	8.0
Elongation At Break (% ≥)	800	700	600	500
Tear Strength (kN/m ≥)	18	25	35	40

### Applications:

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The offered information of this docs is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are fully satisfactory for end use. Suggestions of use shall not be taken as inducements to infringe any patent. Please confirm with us prior to any problems.

# Technical Data Sheet

Electrical connections, automotive connector seals, waterproof connector seals

## How to use

Processing methods: Injection molding. According to customer requirements, take a certain amount of this product, mix A + B thoroughly, and then vulcanize and form it under high temperature in the mold.

## 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.