## **Technical Data Sheet**



# Liquid Silicone Rubber LR-LSRMI

## **Description:**

Liquid silicone rubber LR-LSRMI is an ideal material for maternal and infant products due to its safety, flexibility, and durability. Its hypoallergenic properties and ability to be molded into various shapes make it perfect for items like pacifiers, bottle nipples, and teething toys, ensuring comfort and reliability.

#### **Excellent performance:**

Excellent weather resistance;

Good chemical inertness;

Excellent processing performance;

Good mechanical properties.

#### **Typical Technical Properties:**

Test Item	LSRMI-	LSRMI-	LSRMI-	LSRMI-	LSRMI-	LSRMI-	LSRMI-
TOST HOTT							
	15A/B	20A/B	30A/B	40A/B	50A/B	60A/B	70A/B
Appearance	Transparent, no obvious mechanical impurities						
Viscosity	130	180	200	230	250	270	290
(Pa.s, 10/s)							
Density(g/cm³)	1.06	1.09	1.12	1.14	1.15	1.16	1.16
Hardness	12-18	17-23	23-37	37-43	47-53	57-63	67-73
(Shore A)	12-10	17-23	23-31	37-43	47-55	57-63	07-73
Tensile							
Strength (MPa	6.0	6.5	7.5	8.5	9.0	8.5	8.0
≥)							
Elongation At	700	750	650	600	500	400	300
Break (% ≥)	700	730	000	000	300	400	300
Tear Strength	15	20	27	38	43	20	20
(kN/m ≥)	15	20	21	30	<del>4</del> 3	38	30

#### **Applications:**

Baby pacifiers, bottles, straws, teethers, children's toys

#### How to use

any problems.

Processing methods: Injection molding; Compression 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.

Nanjing Silfluo New Material Co., Ltd.

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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

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### 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.