



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

Applications:

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

How to use

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.

Technical Data Sheet

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.