



CHEMZEST ENTERPRISES

#269, First Floor, Paper Mills Road, Perambur, Chennai-600011

Email: chemzest@gmail.com, navaneethan@chemzest.com

Phone: 044-42719674, 9486604321

Web : www.chemzest.com / www.indiamart.com/chemzestenterprises/



TECHNICAL SPECIFICATION

LIQUID SILICONE RUBBER (LSR-1)

Liquid Silicone Rubber (LSR-1) is a two-component, addition cure liquid silicone rubber designed for mold making. LSR-1 cures at room temperature to a translucent high strength elastic rubber with the addition of curing agents.

FEATURES:

- Excellent molding durability to epoxy resin and polyurethane
- Excellent release ability
- Low viscosity
- Excellent tear and tensile strength
- Low shrinkage (room temperature cure)
- An exceptional fluidity and good operability, easy to demold.
- High duplication times.

PROPERTIES:

S.No	Description	Parameter
1	Appearance	Translucent
2	Mixing proportion of curing agent (%)	10%
3	Operating time (mins /25 0C)	120
4	Curing time(hrs/25 0C)	24
5	Hardness (A°)	41
6	Density (g/cm ³)	1.10
7	Viscosity (Pa.S 25 0C)	45
8	Tensile-strength (kgf /cm ²)	≥65
9	Tear-strength (kgf /cm)	≥20
10	Elongation-break (%)	≥ 400
11	Linear Shrinkage (%)	≤0.1

USES:

- Prototype mold making for electric & electronics industry such as TVs, Home appliances, mobile phones, copymachines etc
- Prototype mold making for automotive industry such as console boxes, radiator grilles, lamp housings etc



CHEMZEST ENTERPRISES

#269, First Floor, Paper Mills Road, Perambur, Chennai-600011

Email: chemzest@gmail.com, navaneethan@chemzest.com

Phone: 044-42719674, 9486604321

Web : www.chemzest.com / www.indiamart.com/chemzestenterprises/



LIQUID SILICONE RUBBER USERS INSTRUCTION

MIXING:

Select a mixing container 4-5 times larger than the volume of silicone rubber compound to be used. Weigh out silicone rubber base and the appropriate amount of curing agent. With clean tools, thoroughly mix them, scraping the sides and the bottom of the container carefully to produce a homogenous mixture.

DEAERATION:

Air entrapped during mixing should be removed to eliminate voids in the cured rubber. Expose the mixed material to a vacuum of about 20mm of mercury. The material will expand, crest, and recede to about the original level as the bubbles break. Degassing is usually complete about two minutes after frothing ceases.

CURING:

Silicone rubber compound will cure sufficiently in 24 hours at 25°C. To achieve faster cure speeds, elevated temperatures may be used.

SHELF LIFE:

Twelve (12) months from date of shipment when stored at 25°C in the original sealed packages.

PACKAGE:

Packed in clean 20kg/pail, 200kg/pail.

FIRST AID:

Inhalation: Remove source(s) of contamination and move victim to fresh air. Contact physician immediately.

Eye Contact: Flush eyes with plenty of water. If irritation persists, seek medical attention.

Skin Contact: In case of skin contact, wash thoroughly with soap and water; remove contaminated clothing and launder before reuse; seek medical attention if rash develops.

Ingestion: Do not induce vomiting unless instructed by a physician. Contact physician immediately.

After first aid, get appropriate in-plant, paramedic, or community medical support.