

Technical Data Sheet



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Silicone Rubber LR-RTV

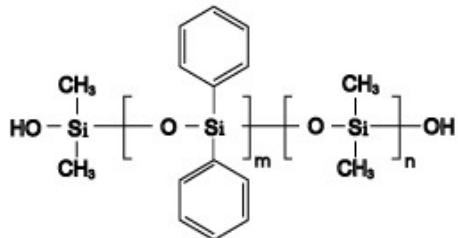
Description:

Chemical Name: Room temperature vulcanized phenyl silicone rubber raw rubber

Synonyms: α, ω dihydroxy polydimethyldiphenylsiloxane; Hydroxy-terminated Polymethylphenylsiloxane; Phenyl RTV Base Polymer; Phenyl silicone rubber raw rubber;

Base polymer for Condensation Cure RTV (Two-component or One-component)

Molecular Structure:



Special Features:

- Extreme Low-Temperature Resistance: Remains flexible down to $-100^{\circ} C$ (far superior to standard RTV-107);
- High Refractive Index: Provides excellent optical clarity;
- Superior Ablation Resistance: Suitable for heat shielding applications.

Typical Technical Properties:

Appearance: Colorless transparent or light yellow liquid

Solubility: soluble in toluene, xylene, chlorinated hydrocarbons and other organic solvents

Viscosity ($25^{\circ} C$, mPa.s): 2000-10000

Phenyl content (mol %): 2.5-20.0

Volatile content ($150^{\circ} C / 2h$): ≤ 3.0

Applications:

- Base material for manufacturing Extreme Low-Temperature RTV Sealants.
- Formulating High-Temperature Resistant Potting Compounds (e.g., for aerospace).
- Optical Bonding adhesives.

Package & Storage:

In 20kg pail, 200kg drum

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

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1 / 2

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containers, Shelf life is 60 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.