

## Silicone Rubber LR-HTV

### Description:

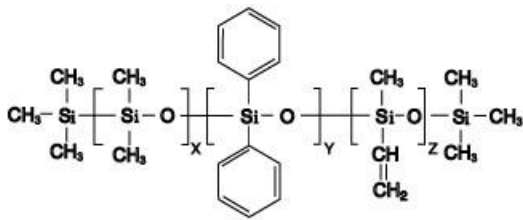
Chemical Name: Methylphenylvinyl silicone rubber

Synonyms: High temperature vulcanized phenyl silicone rubber raw rubber;

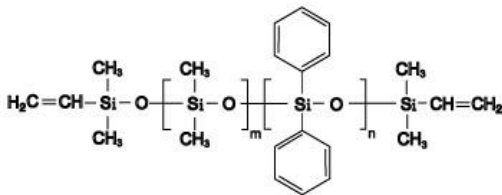
Polydimethyldiphenylvinylsiloxane; Phenyl silicone raw rubber; PVMQ

Molecular Structure:

High Viscosity:  $[(\text{CH}_3)_2\text{SiO}]_x[(\text{C}_6\text{H}_5)_2\text{SiO}]_y[\text{CH}_3\text{C}_2\text{H}_3\text{SiO}]_z[(\text{CH}_3)_3\text{Si}]_2$



Liquid:  $[\text{C}_2\text{H}_3(\text{CH}_3)_2\text{Si}]_2\text{O}[(\text{CH}_3)_2\text{SiO}]_m[(\text{C}_6\text{H}_5)_2\text{SiO}]_n$



### Typical Technical Properties:

Appearance: Transparent or opalescent, without mechanical impurities

Phenyl content (mol%): 5.0-25.0    Vinyl content (mol%): 0.10-0.35    Molecular weight (10,000): 30-100

### Applications:

In addition to a series of characteristics of vinyl silicone rubber, this product also has excellent low temperature resistance, radiation resistance, burning resistance and self-extinguishing properties. It is one of the important materials in the aerospace industry and cutting-edge technology. It can be used as a variety of molded and extruded products, used for sealing rings, gaskets, pipes, and rods that are resistant to cold and burning, heat aging and radiation. It can also be used to make various special-purpose products, such as: making damping materials, pressure-sensitive adhesives, etc.

### Package & Storage:

In 25kg pail

Keep in cool, dry and ventilated place. Keep away from sunlight and fire sources. Keep in unopened containers, shelf life is 36 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.