

# Technical Data Sheet



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## Phenyl Siloxane LS-6345

### Description:

Chemical Name: Methylphenyl mixed cyclic: Triphenyltrimethylcyclotrisiloxane, Tetraphenyltetramethylcyclotetrasiloxane, Pentaphenylpentamethylcyclopentasiloxane  
CAS NO.: 546-45-2 & 77-63-4 & 34239-75-3

### Special Features:

Methylphenylcyclosiloxanes are mixtures of methylphenylcyclosiloxanes, including tricyclic, tetracyclic, and pentacyclic forms.

### Typical Technical Properties:

Appearance: Colorless, transparent, oily liquid or with white crystals

Purity (by GC, %): 98.0 min

Refractive Index (20°C): 1.54-1.55

Viscosity(mm<sup>2</sup>/s): 50-300

Boiling Point: 160-260°C, 0.13kPa

Flash Point: >200°C

Density (20°C, g/cm<sup>3</sup>): 1.08

### Applications:

Methylphenylcyclosiloxane is a widely used organosilicon compound, referring to a cyclic siloxane containing both methyl and phenyl groups on a single silicon atom. High-purity methylphenylcyclosiloxane, free of trifunctional impurities, is one of the raw materials for preparing high-temperature vulcanized methylphenyl silicone rubber. Furthermore, methylphenylcyclosiloxane possesses good physiological inertness, excellent surface activity, aging resistance, UV radiation resistance, light transmittance, and is non-toxic and odorless. It can be widely used as a main ingredient and auxiliary agent in cosmetics, and also in the pharmaceutical and medical industries.

### Package &Storage:

In 1kg fluorinated bottle, 25kg pail, 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.