

Technical Data Sheet



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Phenyl Siloxane LS-653

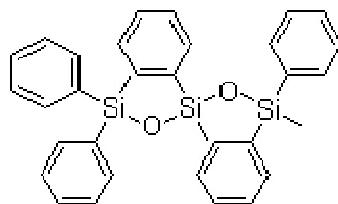
Description:

Chemical Name: 1,1,3,5,5-Pentaphenyl-1,3,5-Trimethylsiloxane

Synonyms: 1,3,5-Trimethyl-1,1,3,5,5-pentaphenyltrisiloxane

Equivalents:

Molecular Structure:



Molecular Formula: C₃₃H₃₄O₂Si₃

Molecular Weight: 546.88

CAS NO.: 3390-61-2

EINECS NO.: 222-222-9

Special Features:

It is chemically stable, non-toxic, odorless, and non-corrosive.

Typical Technical Properties:

Appearance: Colorless transparent liquid

Flash Point(open cup): 243°C

Purity (by GC, %): 98.0 min

Melting point: -25°C

Refractive Index (20°C): 1.58

Density (20°C, g/cm³): 1.09

Boiling Point: 245°C(0.5mmHg)

Applications:

Widely used in high-vacuum diffusion pumps, it provides high-performance, high-content (>98.0%) diffusion pump oil. It features high thermal oxidation stability, low viscosity coefficient, narrow boiling point range, steep vapor pressure curve, low vapor pressure at room temperature, and low freezing point.

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.