



Phenyl Siloxane LF-PM13

Description:

Chemical Name: Triphenyl(trimethylsilyloxy)siloxane

Special Features:

Thermal Stability: High heat resistance (stable up to 250-300°C), making it suitable for extreme environments.

Refractive Index: Higher refractive index (~1.50) than standard silicones, ideal for optical applications.

Chemical Inertness: Resistant to oxidation, UV radiation, and harsh chemicals (acids/bases).

Hydrophobicity: Excellent water repellency for coatings and sealants.

Compatibility: Blends well with organic polymers, resins, and other silicones.

Typical Technical Properties:

Item	Viscosity (25°C, mm ² /s)	Refractive Index (25°C, n_{D25})	Appearance	Cyclic Siloxane Content (D4/D5/D6)
LF-PM13	15	1.498	Colorless transparent liquid	<0.1%

Applications:

1. High-Performance Coatings: Used in heat-resistant paints and anti-corrosion coatings;
2. Optical Materials: Enhances light transmission in LED encapsulants and lens coatings;
3. Electronics: Acts as a dielectric fluid and protective coating for circuit boards;
4. Cosmetics: Provides shine/slip in high-end hair/skincare products (less common due to cost);
5. Specialty Lubricants: Reduces friction in high-temperature machinery.

Package & Storage:

In 200kg drum, 950kg IBC.

Keep in cool, dry and ventilated place. Keep away from sunlight and fire sources. Keep in unopened containers, shelf life is 30 months from the date of production. 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.