

Technical Data Sheet



www.silfluosilicone.com

Phenyl Siloxane LS-P60

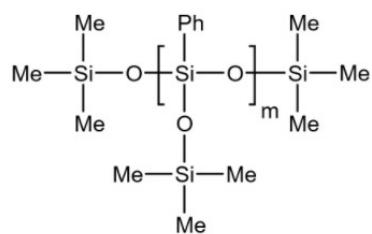
Description:

Chemical Name: Phenylsilsesquioxanes

Synonyms:

Equivalents: Belsil SPR 45VP; Gelest SST 3P01

Molecular Structure:



$m=1, 2, 3$

Molecular Formula: $C_{14}H_{19}F_{13}O_3Si$

Molecular Weight: 510.36

CAS NO.: 73559-47-4(70131-69-0)

EINECS NO.: 615-071-9

Special Features:

Insoluble in water, soluble in alcohols and mineral oils. It possesses hydrophobic, antioxidant, and UV protective properties.

Typical Technical Properties:

Appearance: Colorless transparent liquid

Viscosity(mm^2/ML): 15-30

Content (Phenyltrisilane) range: $\geq 35 - 40\%$

Boiling Point(closed cup): $>100^{\circ}C$

Refractive Index ($20^{\circ}C$): 1.4549-1.4626

Density ($20^{\circ}C$, g/cm^3): 0.97 -0.99

Applications:

It is used to improve the performance of cosmetic formulations, imparting excellent hydrophobic and breathable properties, antioxidant properties, UV protection, softness, smoothness, and non-stickiness. It is primarily used as a waterproofing additive and to reduce the stickiness of organic ingredients in the formula. It is also used as a shine and sunscreen ingredient in hair care products. It is highly suitable for skin lotions, creams, sunscreens, shaving creams (lotions), hair care products, and makeup products.

Package &Storage:

In 1kg fluorinated bottle, 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.

Nanjing Silfluo New Material Co., Ltd.

1 / 1

Web: www.silfluosilicone.com Email: inquiry@silfluo.com

The offered information of this doc is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are fully satisfactory for end use. Suggestions of use shall not be taken as inducements to infringe any patent. Please confirm with us prior to any problems.