



Silfluo LS-P60

Phenylsilsesquioxane

Description:

Silfluo LS-P60 is a Polyphenylsilsesquioxane fluid, an oligomeric phenylsilsesquioxane resin supplied as a solution.

The polymer contains trifunctional phenylsiloxy ($\text{PhSiO}_{1.5}$) repeat units forming a partially condensed three-dimensional siloxane network.

The high phenyl content raises refractive index, improves film gloss, and contributes thermal and oxidative stability relative to dimethylsilicone analogs.

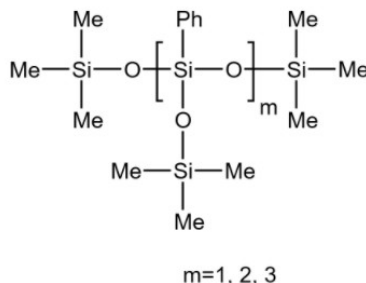
Used as film-former, sensory modifier, and optical enhancer in personal care formulations including hair care, color cosmetics, sun care, and skin care.

INCI name: Phenylsilsesquioxane.

Performance equivalent to Wacker Belsil SPR 45 VP and Gelest SST-3P01.

Typical Technical Properties

Silfluo Code:	LS-P60
Chemical Name:	Phenylsilsesquioxanes
INCI Name:	Phenylsilsesquioxane (or Polyphenylsilsesquioxane)
CAS No. :	73559-47-4(70131-69-0)
EINECS No. :	615-071-9
Molecular Formula:	$(\text{C}_6\text{H}_5\text{SiO}_{1.5})_n$ (Polymeric)
Appearance:	Colorless transparent fluid
Active Content	35 - 40%
(Phenylsilsesquioxane)	
Density (20°C, g/cm ³):	0.97 -0.99
Viscosity(mm ² /ML):	15-30
Refractive Index (nD 20°C):	1.4549-1.4626
Boiling Point(closed cup):	>100°C
Chemical Structure:	



Technical Data Sheet



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Applications:

1. Hair care and styling

Used as shine-enhancing and protective film-former in hair serums, gloss sprays, and conditioning treatments.

2. Color cosmetics

Used as film-former and pigment dispersion aid in lipsticks, liquid foundations, and concealers.

3. Sun care formulations

Used as waterproofing agent and sensory modifier in sunscreen and after-sun formulations.

4. Skin care

Used as film-former and sensory modifier in anti-aging creams, body lotions, and protective skin care formulations.

Packing

In 1kg fluorinated bottle, 200kg drum and 1000kg IBC.

Safety and Storage

Store in a cool, dry, well-ventilated place away from direct sunlight, heat, and open flames. Keep containers tightly sealed.

Shipped as non-hazardous substance.

Shelf life: 12 months minimum from manufacture date in original unopened containers.