



Silfluo LR-TP10

Phenylsilicone Resin Intermediate

Description:

Silfluo LR-TP10 is a series of methoxy-functional phenyl silicone resin intermediates supplied as solvent-free clear liquids. The reactive methoxy groups (15 - 18%) allow copolymerization or blending with standard organic resins, incorporating the siloxane backbone into the organic coating network to improve thermal resistance, weatherability, corrosion resistance, and stain repellency of the cured film.

Two grades are available, differentiated by viscosity and specific gravity to accommodate different formulation and processing requirements.

Typical Technical Properties:

Silfluo Code:	LR-TP10-1	LR-TP10-2
Appearance	Colorless clear liquid	Colorless clear liquid
Viscosity (25°C, mPa.s)	90~180	8~20
Specific Gravity (25°C)	1.16	1.07
Methoxy Content (%)	15~18	15~18

Applications:

1. High-Temperature Resistant Coatings

Used as a modifying intermediate for improving the thermal stability of industrial paints and heat-resistant finishes by incorporating siloxane segments into the organic resin network.

2. Anti-Weathering Coil Coatings

Incorporated into coil coating formulations to improve exterior durability and chalking resistance.

3. Electrical Insulating Paints

Used as a reactive modifier in electrical varnishes to improve the thermal and dielectric performance of the cured film.

4. Surface Decorative Finishes

Incorporated into architectural and industrial decorative coatings to improve stain repellency and surface durability.

Package & Storage:

In 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. Transported 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.