Technical Data Sheet

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Silfluo LF-PM11 Series

Phenyl Methyl Silicone Fluids

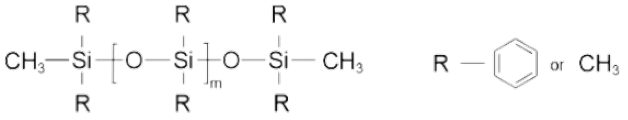
Description:

Silfluo LF-PM11 is a series of phenyl methyl silicone fluids comprising LF-PM11 and six viscosity grades: LF-PM11-75, -150, -300, -500, -1000 and -2000.

LF-PM11: performance equivalent to Dow DC-510 and Shin-Etsu KF-50.
LF-PM11-75, -150, -300, -500, -1000 and -2000: performance equivalent to Dow DC-550 and WACKER AP-100.

Typical Physical Properties

Silfluo Code	**LF-PM11**	**LF-PM11-75**	**LF-PM11-150**	**LF-PM11-300**
Appearance	Colorless transparent liquid			
Kinematic Viscosity (25°C, cSt)	25–40	50–100	100–200	200–400
Specific Gravity (25°C)	1.010–1.080	1.020–1.080	1.020–1.080	1.020–1.080
Flash Point (°C)	≥240	≥280	≥300	≥300
Freezing Point (°C)	≤−45	≤−40	≤−40	≤−40
Refractive Index (25°C)	1.47–1.48	1.49–1.51	1.49–1.51	1.49–1.51

Silfluo Code	**LF-PM11-500**	**LF-PM11-1000**	**LF-PM11-2000**
Appearance	Colorless transparent liquid		
Kinematic Viscosity (25°C, cSt)	400–600	900–1100	1500–2500
Specific Gravity (25°C)	1.020–1.080	1.020–1.080	1.020–1.080
Flash Point (°C)	≥300	≥300	≥300
Freezing Point (°C)	≤−40	≤−40	≤−40
Refractive Index (25°C)	1.49–1.51	1.49–1.51	1.49–1.51
Chemical Structure:			

The offered information of this docs 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.

Features:

LF-PM11: Low viscosity, a low freezing point and good heat resistance.

LF-PM11-75 to LF-PM11-2000: High flash points and resistance to oxidation, radiation and hydrolysis.

Applications:

1. Electrical insulation

LF-PM11 is used as an insulating impregnation fluid. LF-PM11-75 to LF-PM11-2000 are used in insulating fluid formulations.

2. Lubricating oils and greases

LF-PM11-75 to LF-PM11-2000 are used as base fluids for high-temperature lubricating oils and greases, including formulations for high-speed fan bearings, ball bearings and automotive engine components.

3. Heat transfer

LF-PM11-75 to LF-PM11-2000 are used as heat-transfer fluids for high-temperature service.

4. Damping and dust control

LF-PM11-75 to LF-PM11-2000 are used in damping, vibration-control and dust-suppression applications.

5. Plastics processing

LF-PM11-75 to LF-PM11-2000 are used as internal silicone additives in plastic formulations.

6. Cosmetic additives

LF-PM11 is used as an additive in cosmetic formulations.

7. Release and anti-blocking

LF-PM11 is used as a release and anti-blocking agent for plasma bags.

Packing

25 kg or 200 kg plastic drums, 200 kg plastic-lined steel drums, and 1000 L IBCs.

Safety and Storage

Shelf life: 24 months from the date of manufacture in original unopened containers at room temperature.
Transport as non-dangerous goods.

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