Technical Data Sheet

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Silfluo LF-DPM12 Series

Hydroxyl-Terminated Polyether-Modified Silicone Fluids

Description:

Silfluo LF-DPM12 are hydroxyl-terminated polyether-modified silicone fluids for organic resin modification and coating flow. Their reactive hydroxyl groups allow silicone segments to be incorporated into suitable resin networks.

Typical Physical Properties

Silfluo Code	LF-DPM12 Series
Appearance	Colorless transparent liquid
Molecular Weight (g/mol)	2000–2600

Applications:

1. Reactive resin modification

Used in copolymerization and resin-modification formulations to introduce silicone softness, lubricity and hydrophobicity.

2. Coating flow and surface properties

Used as leveling components in organic resin coatings. Chemical incorporation of the silicone segments supports durable surface modification.

3. Grade selection

From LF-DPM12A to LF-DPM12F, compatibility with organic resins decreases, while softness and abrasion resistance after modification increase.

Packing

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

Safety and Storage

Shelf life: 12 months from the date of manufacture in original unopened containers at room temperature.

Transport as non-dangerous goods.

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