



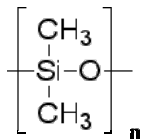
Dimethyl Silicone Fluid LF-201

Description:

Chemical Name: Polydimethylsiloxane

Synonyms: Dimethyl silicone oil; PDMS

Molecular Structure:



Molecular Formula: C₆H₁₈OSi₂

Molecular Weight: 162.38

CAS NO.: 63148-62-9

EINECS NO.: 613-156-5

Typical Technical Properties:

Item	LF-201 -100	LF-201 -200	LF-201 -350	LF-201 -500	LF-201 -1000	LF-201 -12500	LF-201 -60000
Viscosity (25°C, mpa.s)	100±5	200±20	350±20	500±25	1000±50	12500±630	60000±300 0
Flash Point (opened cup), °C	≥310	≥310	≥315	≥315	≥320	≥330	≥330
Density (25°C, g/cm ³)	0.958~0.968	0.960~0.972	0.962~0.972	0.962~0.97 2	0.965~0.975	0.968~0.978	0.970~0.98 0
Refractive Index (25°C)	1.4020~1.40 40	1.4020~1.40 40	1.4020~1.40 40	1.4020~1.4 040	1.4025~1.40 45	1.4025~1.40 45	1.4025~1.4 045
Volatile (150°C, 2h)/%	≤1.00	≤1.00	≤1.00	≤1.00	≤1.00	≤1.00	≤1.00

Applications:

1. FOAM PREVENTITIVE: Extremely small amounts of the fluid effectively control foam in many processing operations, especially in non-aqueous systems. Used as defoamers, lubricants, and other weather-resistant paint in pharmaceutical, food, chemical, paint, building materials industry;
2. LUBRICANT: The fluid provides excellent lubrication for most plastic and elastomeric surfaces. Lubricity with metals depends upon the combination involved. Care should be taken to select suitable metals for pumps and other items with moving parts;
3. COSMETICS AND SKIN PREPARATIONS: LF-201 Fluid is an important ingredient in hand creams, skin protectants, suntan lotions, and hair grooming aids because it forms a non-greasy, protective film which resists water and waterborne irritants, yet allows the skin to breathe. Literature is available that details the

Technical Data Sheet



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use of the fluid in cosmetics.

Package &Storage:

In 200kg drum and 950kg, 1000kg IBC.

Keep in cool, dry and ventilated place. Keep away from sunlight and fire sources. Keep in unopened containers, shelf life is 24 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.