



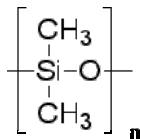
## Dimethyl Silicone Fluid LF-211

### Description:

Chemical Name: Polydimethylsiloxane

Synonyms: Dimethyl silicone oil; PDMS

Molecular Structure:



Molecular Formula: C<sub>6</sub>H<sub>18</sub>OSi<sub>2</sub>

Molecular Weight: 162.38

CAS NO.: 63148-62-9

EINECS NO.: 613-156-5

### Typical Technical Properties:

Item	LF-211 -5	LF-211 -10	LF-211 -20	LF-211 -50
Viscosity (25°C, mpa.s)	5±1	10±1	20±2	50±5
Flash Point (opened cup)	≥115°C	≥160°C	≥180°C	≥270°C
Density (25°C, g/cm <sup>3</sup> )	/	0.930~0.940	0.940~0.960	0.956~0.966
Refractive Index (25°C)	1.3940~1.4020	1.3940~1.4020	1.3940~1.4020	1.4020~1.4040
Volatile (150°C, 2h)/%	/	/	/	≤1.0

### Applications:

1. For hair care products, conditioning performance, especially for shampoo and hair care products, good dry and wet combing film-forming properties and reduce static electricity, can make hair soft and smooth, improve the softness and smoothness of hair luster;
2. For leather care, etc., it can provide a smooth feel effect;
3. For lubrication and damping, it can be used for the application of shock absorption products, or for the demoulding effect;
4. Based on the incompatibility between silicone and the system, it is used in products such as defoamers.

### Package & Storage:

In 200kg drum and 950kg 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.