

# METHYL FLUOROSILICONE OIL

## Composition:

Polymer of fluorosilicone monomers, with methyl groups terminated at both ends of the molecules.

## Characteristics:

This product possesses special qualities such as slipperiness, softness, water resistance, excellent chemical stability, superior electric insulation, and resistance to both high and low temperatures. With a high flash point and a low freezing point, it can be used over a long period in temperature ranging from -50°C to 200°C. It also boasts a low viscosity-temperature coefficient, high compressibility, low surface tension, good water-repellent and moisture-proof properties, as well as low specific heat capacity and thermal conductivity.

Items	Index
	AFS® -L-1011/ AFS® -L-2011
Appearance	Colorless or light yellow transparent liquid
PH Value	5.0-7.0
Viscosity (mPa.s)	100-100000
Refractive Index	1.3800-1.3900
Flash Point (°C)	>260

## Application:

Due to its special and excellent physicochemical properties, dimethyl fluorosilicone oil has a wide range of applications across multiple industries. Its primary uses include:

1. Daily Chemical Industry: It is used in various cosmetic formulations such as skin care creams, shower gels, and shampoos, providing excellent softness and silky feel.
2. Rubber, Plastics, Latex, Polyurethane, and Light Industry: It serves as a release agent, isolating agent, and brightening agent in the production of certain rubber, plastic, latex, and polyurethane products, as well as handicrafts.
3. Machinery, Automotive, Instrument, Electronics, and Other Industries: It is used as high-grade lubricating oil, liquid springs, cutting fluids, buffer oils, transformer oils, high and low-temperature brake oils, instrument damping oils, and mold release agents for frame shaping.
4. Textile and Clothing Industry: It is used as a softening agent, water repellent, feeling modifier, lubrication for sewing threads, lubrication for chemical fiber spinning plates, and pressing aids for clothing.
5. Leather and Leather Chemical Industry: When combined with other additives, it can be used as a softening agent, water repellent, feeling modifier, defoaming agent, and brightening agent.
6. Pharmaceutical, Food, Chemical, Coatings, and Building Materials Industries: It is used as a defoaming agent, lubricant, and weather-resistant coating.

## Package:

Packed in plastic drums, 1kg, 5kg, 10kg, 20kg per drum.

## Storage:

Shall be stored in a cool and dry environment, not exceeding 35°C, with a shelf life of six months.

## Transportation:

Transport this product as non-hazardous materials.

## Attention:

This product should be kept neutral and avoid contact with acidic or alkaline substances.