

## HENGDA-FM5-FM20

### Description

FM5-FM20 is a polydimethylsiloxane liquid whose excellent spreadability allows it to be used as a base oil ester for personal care products. Clear, tasteless, odorless and non-greasy.

### Features

1. Good dielectric properties
2. High water repellency
3. High shear without lysis
4. High compressibility
5. High dispersion
6. Low surface tension
7. Low fire hazard and reactivity
8. Low vapor pressure
9. Good thermal stability
10. Good leveling properties, easy to wipe off
11. Essentially odorless and non-toxic
12. Soluble in a wide range of solvents
13. Non-volatile carrier

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### Typical Properties

Product Name	FM5	FM10	FM20
Appearance	Colorless transparent liquid	Colorless transparent liquid	Colorless transparent liquid
Melting/freezing point	< -70°C	< -60°C	< -52°C
Boiling point	/	/	/
Flash point	>102°C	≥160°C	≥175°C
Density(g/cm <sup>3</sup> ,25°C)	0.913	0.935	0.950

### Applications

- ☺ Personal care products such as antiperspirants, deodorants, hair sprays, cleansing creams, skin creams, lotions, bath oils, tanning products, nail polish, etc.
- ☺ Industrial applications such as glass bottle and lens coatings, household product ingredients, machinery fluids, penetrating oil ingredients, surface active ingredients, coatings, electrical insulating fluids, brightener ingredients.

### Usage

It can be used alone or with other cosmetic liquids. It can be used as a base oil mixed phase for various cosmetic ingredients. It has good solubility in most absolute alcohols and many solvents commonly used in cosmetics.

### Storage

When stored unopened at 25° C (77° F) or below, product has a shelf life of 30 - 60 months from the date of production, depending on viscosity.

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