

PDMS-Dimethyl Silicone Fluid

Description

FM2000-FM60000 is a high viscosity polydimethylsiloxane polymer used to produce essentially linear polymers over a wide range of viscosities.

Polishes are typically formulated with viscosities ranging from 100 to 30,000 cSt. For best results in terms of ease of application and gloss, it is best to mix a low viscosity silicone oil with a high viscosity silicone oil (e.g. three parts 100 cSt silicone oil to one part 12500 cSt silicone oil). Low-viscosity silicone oils act as lubricants, making polish application and removal easier; high-viscosity silicone oils produce a higher gloss. Because these polymers are inherently water-repellent, they allow moisture to bead up on the treated surface rather than penetrating into the polishing film.

Typical Properties

Product Code	Viscosity (25°C, mm ² /s)	Flash point(°C)	Density(g/cm ³ ,25°C)
HENGDA-FM2000	2000	>315	0.975
HENGDA-FM5000	5000	>315	0.975
HENGDA-FM10000	10000	>315	0.975
HENGDA-FM12500	12500	>315	0.975
HENGDA-FM30000	30000	>315	0.975
HENGDA-FM60000	60000	>315	0.975

Applications

1. Active ingredient in a variety of automotive, furniture, metal and specialty polishing products.
2. In protective creams, aerosol shaving foams, antiperspirants and other personal care products

Element.

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Technical Data Sheet

HENGDA Silicone



3. Foam control for petroleum production and refinery operations.
4. Other applications including coating additives, buffers, elastomers and plastic lubricants, electrical insulating fluids, machine oils, release agents, plastic additives, specialty chemical product ingredients, leather finishing, surfactants, etc.

Storage

Product should be stored in original, unopened containers at 60° C (140° F) or lower.

Packing

190kg or 200kg net drum

950kg or 1000kg net IBC

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