

## PDMS-Dimethyl Silicone Fluid

### Description

FM50-FM1000 is a polydimethylsiloxane polymer used to produce substantially linear polymers with various average kinematic viscosities.

If you want to achieve better results, it is best to mix a low-viscosity silicone oil and a high-viscosity silicone oil (for example, the viscosity of nine parts is 350 mm<sup>2</sup>/s of silicone oil and one part with a viscosity of 500000 mm<sup>2</sup>/s of silicone oil mixed evenly before use). Low formulation polishes are typically used with viscosities of 100 to 30,000 mm<sup>2</sup>/s. For maximum viscosity in terms of ease of use and gloss, silicone oils act as lubricants, making polish application and removal easier; higher viscosity silicone oils produce 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 <sup>2</sup> /s)	Flash point(°C)	Density(g/cm <sup>3</sup> ,25°C)
HENGDA-FM50	50	≥250	0.960
HENGDA-FM100	100	>310	0.962
HENGDA-FM200	200	>315	0.970
HENGDA-FM350	350	>315	0.970
HENGDA-FM500	500	>315	0.970
HENGDA-FM1000	1000	>315	0.970

### Applications

1. Active ingredient in automotive, furniture, metal and specialty polishing products in a variety of pastes, lotions, solvent-based polishes and aerosols.

#### Qingdao Hengda New Material Technology Co., Ltd.

Address: Rm B2-2, Floor 13th, Unit B, Qingdao International Innovation Park, Qingdao ,China.

Tel: +86-532-66750551 Fax: +86-532-66750552

Website: [www.hengdasilane.com](http://www.hengdasilane.com) Email: [info@hengdasilane.com](mailto:info@hengdasilane.com)

# Technical Data Sheet

## HENGDA Silicone



2. Various applications such as cosmetic ingredients, elastomer and plastic lubricants, electrical insulating fluids, anti-foaming and defoaming agents, mechanical fluids, release agents, surfactants, solvent-based surface treatments and leather fat liquefiers.

### 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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