

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 mm²/s of silicone oil and one part with a viscosity of 500000 mm²/s of silicone oil mixed evenly before use). Low formulation polishes are typically used with viscosities of 100 to 30,000 mm²/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 ² /s) | Flash point(°C) | Density(g/cm ³ ,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.

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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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