**SILICONE OIL**

**SI-1000 Polydimethyl silicone oil**

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| **Description** | Polydimethylsiloxane with a viscosity of approx. 1000 mPa.s. Due to its chemical structure, it has an outstanding property profile, which sets it apart from organic materials such as mineral oils. |
| **Type** | Polydimethylsiloxane |
| **Key Features** | * High flash point * High heat resistance * Low solidifying point * Good dielectric properties * Chemically highly unreactive * Excellent water-repellent properties * Good solubility in a wide range of solvents * Low surface tension and thus high surface activity * Minimal change in over a broad temperature range |
| **Typical Properties** | |  |  | | --- | --- | | Appearance | Colorless, clear liquid | | Active content (%) | 100 | | Density (g/cm3) | Appox.0.97 | | Flash point (℃) | >300 | | Viscosity (Dynamic at 25℃) | Appox. 1000 mPa.s | | Surface tension (25℃) | 0,021 N/m | |
| **APPLICATION** | * Release agent * Lubricant * Hydraulic fluid * Antifoam agent * Water-repellent agent * Liquid dielectric for electrical and electronic equipment * Heat-transfer oil * Polish additive * Plastics additive * Additive for textile and fiber auxiliaries |
| **Storage and**  **Handling** | * Available in 25 kg/barrel or 200kg/barrel * Store products in tightly closed original containers at 5-40℃ * Shelf life: 12 months from delivery date * According to non-dangerous goods transport |