

Emulchem M-50

Product Description

Emulchem M – 50 Silicone oil PDMS, is a low viscosity oil is a linear polydimethylsiloxane polymer with kinematic viscosity of about 50 cSt.

INCI

Dimethicone

Key Performance

Silicones differ from organic compounds in both their physical and chemical properties.

- High and low temperature stability
- Oxidative stability
- Chemically inert
- Low flammability
- Low surface tension
- Shear stability
- High compressibility
- Low vapor pressure
- Low odor
- Soft, smooth silky feel
- Non-oily feel
- Spreadability
- Low coefficient of friction
- Lubricious

Typical Product Data

<u>Property</u>	:	<u>Silicone oil 50</u>
Appearance	:	Clear, colorless liquid
Active Content	:	99.7 – 99.9%
Weight loss/Volatile content (%)	:	0.3
Viscosity @ 25°C	:	48 – 52 cSt
Specific gravity, g/cm ³ @ 25°C	:	0.96
Refractive index @ 25°C	:	1.4036
Flash Point, open cup, °C	:	>326c
Pour Point, °C	:	-70c

Applications

- Heat and mechanical transfer fluid
- Hydraulic fluid
- Electrical insulating fluid
- Water repellent
- Polish ingredient
- Mold release agent
- Lubricant
- Anti-foam
- Personal care ingredient

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