

SILICONE OIL 12500

100% Polydimethylsiloxane Fluid · 12,500 mm²/s

DESCRIPTION

Silicone Oil 12500 is a 100% polydimethylsiloxane of viscosity 12,500 mm²/s. It differs from organic materials in its physical and chemical properties: high- and low-temperature stability, good dielectric properties, low interfacial energy and chemical inertness. It can be used in a wide range of applications, from heat-transfer media and hydraulic fluids to polish and antifoam formulations.

PACK SIZES

Multiple pack sizes available on request.

KEY PERFORMANCE PROPERTIES

- High- and low-temperature stability · low pour point
- Low temperature- and pressure-dependence of viscosity
- Good dielectric characteristics
- High compressibility
- Low interfacial energy · high surface activity

APPLICATIONS

- Heat-transfer media · hydraulic fluids · dielectric fluids
- Water repellents · polishes · lubricants
- Antifoams · mould-release agents

TYPICAL PRODUCT DATA

PROPERTY	TYPICAL VALUE
Viscosity at 25 °C, mm ² /s	12,500
Appearance	Clear transparent viscous liquid
Colour	Colourless
Density at 25 °C, g/cm ³	0.97
Pour point, °C	-50 or below
Flash point, °C	>300
Ignition point, °C	>400
Freezing point, °C	-50
Molecular mass	80,000
Surface tension, dynes/cm	21.5

Typical values shown do not constitute a specification. The information is based on current knowledge and is intended to describe the product for possible applications; it does not release the user from performing preliminary tests.