

TECHNICAL DATA SHEET

Silicone oil 12500

VISCOSITY AT 25 °C	DENSITY AT 25 °C	FLASH POINT	SURFACE TENSION	POUR POINT
12500 mm ² /s	0.97 g/cm ³	>300 °C	21.5 dynes/cm	≤- 50 °C

DESCRIPTION

Silicone oil 12500 is a 100% polydimethylsiloxane of viscosity 12500 mm²/s. The product differs from organic materials in its physical and chemical properties such as high and low temperature stability, good dielectric properties, low interfacial energy, and chemical inertness. Silicone oil 350 can be used in a wide range of applications ranging from heat transfer media and hydraulic fluids to polish and antifoam formulation.

KEY PERFORMANCE PROPERTIES

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

APPLICATIONS

- Heat transfer media
- Hydraulic fluids
- Dielectrics fluids
- Water repellents
- Polishes
- Lubricants
- Antifoams
- Mould release agents

TYPICAL PRODUCT DATA

PROPERTY	UNIT	VALUE
Viscosity at 25°C	mm ² / s	12500
Appearance		Clear transparent viscous liquid
Colour		Colourless
Density at 25 °C	g/cm ³	0.97
Pour point	°C	≤- 50
Flash point	°C	>300
Ignition point	°C	> 400
Freezing Point	°C	-50
Molecular Mass	gm/cm ³	80000
Surface Tension	dynes/cm	21.5

Specifications Typical product data values should not be used as specifications.