

DOC NO	REV	ISSUED	CLASS
TDS-SIL-100	01	10/2026	PDMS fluid

TECHNICAL DATA SHEET

SILICONE OIL 100

100 % Polydimethylsiloxane Fluid · 100 cSt at 25 °C

VISCOSITY AT 25 °C 100 cSt	DENSITY AT 25 °C 0.97 g/cm³	POUR POINT -50 °C	FLASH POINT 315 °C
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PRODUCT DESCRIPTION

Silicone Oil 100 is a 100 % polydimethylsiloxane (PDMS) fluid with a viscosity of 100 cSt. 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 100 can be used in a wide range of applications, ranging from heat-transfer media and hydraulic fluids to polish and antifoam formulations.

APPLICATIONS

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

KEY PERFORMANCE PROPERTIES

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

TYPICAL PRODUCT DATA

PROPERTY	UNIT	TYPICAL VALUE
Viscosity at 25 °C	cSt	100
Density at 25 °C	g/cm ³	0.97
Colour	–	Colourless
Pour point	°C	-50
Flash point	°C	315
Ignition point	°C	> 400

Typical product data values should not be used as specifications.