



Technical Data Sheet

SINTHERM OIL 100

High performance silicone fluid

Description

SINTHERM OIL 100 is part of silicone oils range characterized by extreme purity and particular physical properties. These oils provide contemporary particularly low pour point and extremely elevated flash point. SINTHERM OIL 100 has extremely high viscosity index, outstanding resistance to shearing stress, excellent stability, minimum loss due to volatility and perfect water resistance.

Use / application

SINTHERM OIL 100 can be used as heat transfer fluid in special industrial devices and equipment providing extremely long service life without deposit formation. SINTHERM OIL 100 can be used as chain lubricant for example for chains working under particularly elevated temperatures. SINTHERM OIL 100 is ideal for use as detachment or skidding agent in plastic production industry, dielectric fluid (for example in transformers or condensers), waterproofing material and other similar applications.

Technical Data

Density at 25°C	ASTM D4052	g/cm ³	0.96
Viscosity at 25°C	ASTM D445	mm ² /s	100
Viscosity at 25°C	ASTM D2983	mPa.s	96
Flash point (COC)	ASTM D92	°C	> 275
Pour Point	ISO 3016	°C	-55
Gross calorific value	DIN 51900	kJ/g	23.24
Specific heat at 25°		J/g C°	1.55
Thermal conductivity at 50°		WK-1m-1	0.15
Dielectric Constant at 25°C and 100 Hz			2.73