



MOTULTECH SUPRACAL 105

Huiles De Transfert Thermique

MINERAL OIL

DESCRIPTION

SUPRACAL 105 is a special high-quality oils for heat transfer and thermal regulation based on highly refined mineral oils.

APPLICATIONS

Highly refined mineral oil with paraffinic tendencies for heat transfer and thermal controls operating at temperatures up to 250°C.

SUPRACAL 105 is used for open circuits and oil bath heaters at temperatures up to 200 °C.

Recommended heating power: 1 W/cm² for convection and 3 to 4 W/cm² for circulation.

ADVANTAGES

- Based on highly refined mineral oils.
- High temperature and oxidation stability.
- Usage up to 270 °C in closed tanks.
- Excellent anti-rust, anticorrosion and anti-foam characteristics.
- Long service life without deposit formation or viscosity increase
- Very low vapour pressure.
- Toxic-free.

**TECHNICAL INFORMATION**

TECHNICAL CHARACTERISTICS	UNITS	METHOD	SUPRACAL 105
Aspect	-		Clear
Color	-	Visual	Yellow
Density	-	ISO 12185	0,880
Viscosity at 40°C	mm ² /s	ASTM D445	101.5
Viscosity at 100°C	mm ² /s	ASTM D445	11.3
Viscosity index	-	ASTM D2270	97.0
Flash point	°C	ASTM D92	272.0
Pour point	°C	ASTM D97	-17.0
Temperature range	-		-10°C to +220°C
Aniline Point	°C	ASTM D611	110
Vapour pressure at 300°C	mbar		30.0
Specific heat at 40 °C	J/g.K	ASTM E 1269	2.4
Specific heat at 100°C	J/g.K	ASTM E 1269	2.5
Specific heat at 150 °C	J/g.K	ASTM E 1269	2.7
Specific heat at 250 °C	J/g.K	ASTM E 1269	3.1
Thermal conductivity at 20°C	W/m.K		0.1

These characteristics are given only for information and can be updated over time.

SERVICES AND EQUIPMENT

In addition to its product ranges, MotulTech can provide tools and services for the maintenance and monitoring of your lubricants. Please contact your technical sales representative for more information.

Important Notice

All information and rules about health, safety and the environment are mentioned on the safety data sheet. It provides information about risks, safety procedures and first aid emergency rules. It clarifies all procedures to implement in the case of an accidental spillage, and for the disposal of the product and its effects on the environment. The safety data sheet is available on www.motul.com.

Our product contains natural additives which are likely to modify the colour of the concentrates without altering its performance. The specifications of our products are definite only at the time of order, and are subject to our general sale and guarantee conditions. To give our customers the latest technical developments, the general characteristics of our products may vary.