

BARREL THERM 200

BARREL THERM 200 is a synthetic heat transfer fluid with low toxicity, low odor, and a wide temperature range. It can be used in liquid phase circulation up to a permissible film temperature of 320°C.

1. Features

(1) Excellent thermal stability.

Heat transfer fluid undergoes thermal decomposition when it reaches a certain temperature. It will also gradually deteriorate after prolonged use. For this reason, it is necessary to select a heat transfer fluid with high thermal stability. BARREL THERM 200 is a heat transfer fluid with high thermal stability that can be used in liquid phase at normal pressure up to the maximum permissible film temperature of 320°C.

(2) Especially safe due to its high average boiling point and flash point and low vapor pressure.

BARREL THERM 200 has a high average boiling point of 382°C and can be used at low pressure. Furthermore, it has high flash point and safe operation is possible. Also, because the vapor pressure is low, the amount of evaporation is small and it will not pollute the working environment.

(3) Not corrosive.

BARREL THERM 200 has little corrosiveness to iron and nonferrous metal materials used in general industrial equipment.

2. Typical properties

Property		BARREL THERM 200
Min. Temp.	°C	-10
Max. Temp.	Bulk °C	290
	Film °C	320
Density 15°C	g/cm ³	0.87
Flash Point (COC)	°C	206
Pour Point	°C	<-20
Kinematic Viscosity 40°C	mm ² /s	22
Kinematic Viscosity 100°C	mm ² /s	4.0
Average Molecular Weight		380
Thermal Expansion Coefficient	1/°C	6.7×10 ⁻⁴
Average boiling point	°C	382
Autoignition temp.	°C	390

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