

BARREL THERM 1H,2H,350

BARREL THERM 1H, 2H, 350 are synthetic heat transfer fluids with excellent low temperature fluidity. There are suitable for heat transfer fluids from low temperature to high temperature.

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 1H, 2H, 350 are heat transfer fluids with high thermal stability that can be used for liquid phase circulation up to a high temperature range with a maximum permissible film temperature of 320°C or higher.

(2) Excellent low-temperature fluidity.

BARREL THERM 1H, 2H, 350 are energy-saving heat transfer fluids that can be used as a cooling medium and in a wide range of temperatures because it has a low viscosity at low temperatures.

(3) Not corrosive.

BARREL THERM 1H, 2H, 350 has little corrosiveness to iron and nonferrous metal materials used in general industrial equipment.

2. Typical properties

Property		BARREL THERM		
		1H	2H	350
Min. Temp.	°C	-50	-30	-30
Max. Temp.	Bulk °C	200	280	320
	Film °C	320	320	350
Density 15°C	g/cm ³	0.807	0.862	0.989
Flash Point (COC)	°C	92	140	150
Pour Point	°C	<-70	-70	-50
Kinematic Viscosity 40°C	mm ² /s	2.7	4.4	5.2
Kinematic Viscosity 100°C	mm ² /s	1.1	1.5	1.5
Average Molecular Weight		210	246	210
Thermal Expansion Coefficient	1/°C	8.9×10 ⁻⁴	7.9×10 ⁻⁴	9.5×10 ⁻⁴
Boiling Point	°C	215	294	302
Autoignition temp.	°C	310	395	425

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