

HITERM 300

Mineral oil based heat transfer fluid

Description

HITERM 300 is formulated with selected base oil. It has a good oxidation stability for various viscosity requirement and operating temperatures condition.

Applications

HITERM 300 is suitable for enclosed heat transfer system that required mineral oil. It has maximum boiler outlet temperature of 300 °C and maximum boiler wall temperature of 320 °C.

Specification Meets

DIN 51 522 requirement, classified as ISO 6743-12 Family Q.

Advantages

- ▶ Good rust and corrosion protection.
- ▶ Good filter ability characteristics.
- ▶ Resistant to sludge formation.
- ▶ Foam protection

Typical Data of HITERM

Characteristics	Unit	HITERM	Test Method
		300	
Color		L 0.5	ASTM D 1500
Density @ 15 °C	kg/l	0.8554	ASTM D 4052
Kinematic Viscosity @ 40 °C	cSt	32.24	ASTM D 445
Kinematic Viscosity @ 100 °C		5.58	
Viscosity Index		111	ASTM D 2270
Flash Point (COC)	°C	228	ASTM D 92
Pour Point	°C	-27	ASTM D 97
Sequence I : 24 °C	ml	0/0	ASTM D 892
Sequence II : 93.5 °C		10/0	
Sequence III : 24 °C after 93.5 °C		0/0	
Total Acid Number	mg KOH/g	0.03	ASTM D 974
Conradson Carbon Residue	%wt	0.03	ASTM D 189
Water Separability @54.0°C	min (ml/ml/ml)	5' (40/40/40)	ASTM D 1401
Distillation Range:	°C		ASTM D 1160
Initial Boiling Point		366.8	
5% Distilled		402.0	
10% Distilled		435.3	
95% Distilled		490.7	
Final Boiling Point	501.1		

* the typical characteristic mentioned represent mean values