Therm Fluid

Heat Transfer Oil

Product Description:

Veedol Therm Fluid heat transfer oil is based on carefully selected, highly refined base oils having very good resistance to degradation during high temperature use. It provides excellent oxidation stability and resistance against thermal cracking.

Suitable for use in closed type thermic fluid heaters with pumped circulation operating at bulk temperature of 290°C. Also, can be used in open heating systems operating at temperatures up to 200°C.

Performance Specifications:

Veedol Therm Fluid meets & exceeds the performance requirements of

- ISO 6743 Part 12: Family Q
- IS 14745:1999 (Reaffirmed 2019)

Features/Benefits:

- Good heat transfer properties ensure faster process.
- Excellent thermal and oxidation characteristics prevent thermal breakdown of oil and prevent sludge build up to offer optimum life and performance of the system.
- Low vapor pressure and low volatility provide long and trouble-free service life.
- Non-corrosive and non-toxic formulation make this product safe for usage and handling.

Application:

- Recommended for used in closed or open type circulated thermic fluid systems found in process industry, textile units, chemical industry, paper manufacturing, pharmaceuticals etc.
- Also suitable for heating reaction vessels, driers, molding machines.
- Maximum bulk temperature 290°C in closed thermic fluid system.

Typical Properties:

Parameters	Test Method	Therm Fluid
Density @ 29.5°C	ASTM D4052	0.869
Kinematic Viscosity @ 40°C, cSt	ASTM D445	31.50
Kinematic Viscosity @ 100°C, cSt	ASTM D445	5.30
Viscosity Index	ASTM D2270	99
Flash Point (COC), °C	ASTMD92	222
Pour Point, °C	ASTM D97	-6
Copper Corrosion at 100 °C, 3hr	ASTM D130	1a

VEEDOL CORPORATION LIMITED
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Additional Information:

Temperature	Density	Kinematic Viscosity	Specific Heat	Thermal Conductivity
°C	Kg/L	cSt	KJ/ Kg °C	W/m.K
0	0.8882	334.66	1.8003	0.1337
20	0.8752	85.27	1.8726	0.1323
40	0.8622	31.50	1.9450	0.1308
60	0.8492	14.92	2.0174	0.1294
80	0.8362	8.38	2.0897	0.1279
100	0.8232	5.30	2.1621	0.1265
120	0.8102	3.66	2.2345	0.1251
140	0.7972	2.69	2.3068	0.1236
160	0.7842	2.08	2.3792	0.1222
180	0.7712	1.67	2.4516	0.1207
200	0.7582	1.38	2.5239	0.1193
220	0.7452	1.17	2.5963	0.1178
240	0.7322	1.01	2.6687	0.1164
260	0.7192	0.89	2.7410	0.1149
280	0.7062	0.80	2.8134	0.1135
300	0.6932	0.73	2.8858	0.1121
320	0.6802	0.67	2.9581	0.1106

The above typical properties are those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.

STORAGE
All packages should be stored under cover. It should not be exposed to direct sunlight, intense cold and extreme temperature fluctuations. Where outside storage is unavoidable, drums should be laid horizontally or properly covered to avoid the possible ingress of water and damage to drum markings.

HEALTH, SAFETY AND ENVIRONMENT
The informtion on this product is available in the Material Safety Data Sheet (MSDS) as a guide to the precautions and safe handling of this product and its disposal. For further information, we recommend you review the MSDS. If handled correctly, there are no special precautions suggested.

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