Therm Pro

Premium Heat Transfer Oil
Previous Name: Therm LL

Product Description:

Veedol Therm Pro is a premium quality heat transfer oil formulated from selective base oils and additive system to provide reliable and trouble-free, consistent heat transfer performance. Suitable for use in both closed and open type thermic fluid heaters with pumped circulation.

Blended from finest quality base oil and carefully selected additive package make it suitable as a long-life thermic fluid for a wide range of temperature applications in thermic fluid heaters.

Performance Specifications:

Veedol Therm Pro meets & exceeds the performance requirements of

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

Features/Benefits:

- **Excellent Oxidation Stability** helps control deposit and sludge formation. Ensures longer operating life, less maintenance and operating cost.
- **Outstanding thermal characteristics** provide high heat transfer rate, reduced process time.
- **High Thermal Stability** provides resistance to thermal breakdown preventing sludge build up to offer optimum life and performance.
- **Low volatility and low vapour pressure** provides long and trouble-free service life.
- **Non-corrosive and non-toxic** formulation make this product safe for usage and handling.

Application:

- Suitable for closed or open type circulated thermic fluid systems found in process industry, textile units, chemical industry, paper manufacturing, pharmaceuticals etc.
- In closed, forced circulation systems Veedol Therm LL can be recommended for maximum bulk oil temperature of 320°C and film temperature of 340°C

Typical Properties:

Test Parameter	Test Method	Therm Pro
Density@29.5 ºC	ASTM D4052	0.867
Kinematic Viscosity @ 40ºC, cSt	ASTM D445	35.02
Kinematic Viscosity @ 100ºC, cSt	ASTM D445	5.70
Viscosity Index	ASTM D2270	101
Flash Point (COC), ºC	ASTM D92	226
Pour Point, ºC	ASTM D97	-9
Copper Corrosion at 100 ºC, 3 hour	ASTM D130	1a

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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	0.8871	387.41	1.8014	0.1339
20	0.8741	96.50	1.8738	0.1324
40	0.8611	35.02	1.9462	0.1310
60	0.8481	16.36	2.0186	0.1295
80	0.8351	9.09	2.0910	0.1281
100	0.8221	5.70	2.1635	0.1267
120	0.8091	3.90	2.2359	0.1252
140	0.7961	2.86	2.3083	0.1238
160	0.7831	2.19	2.3807	0.1223
180	0.7701	1.75	2.4531	0.1209
200	0.7571	1.45	2.5255	0.1194
220	0.7441	1.22	2.5979	0.1180
240	0.7311	1.06	2.6703	0.1165
260	0.7181	0.93	2.7428	0.1151
280	0.7051	0.83	2.8152	0.1136
300	0.6921	0.75	2.8876	0.1122
320	0.6791	0.69	2.9600	0.1108
340	0.6661	0.64	3.0324	0.1093

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 AND SAFETY:
The information 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.