

Technical Data Sheet

Therminol® 68 Heat Transfer Fluid

Applications

- htf - bakery
- htf - food production
- Chemicals & petrochemicals
- Lube oil refining
- Oil treatment / sweetening / desulphuriz
- Plasticizer
- Polyamide
- Polymer processing
- Refining
- Resins
- Specialty and batch chemical production
- Specialty chemicals
- Waste heat recover + orc

Key Attributes

- Low Odor
- Non-corrosive

Product Description

Therminol 68 is a high temperature liquid phase heat transfer fluid with excellent thermal stability. Therminol 68 was developed for use at temperatures up to 360° C (680°F) in liquid phase heat transfer fluid systems. Therminol 68 has a boiling point of 308°C (586°F), but static pressure of about 2 bar should maintain the liquid phase at high temperatures.

Performance Benefits

- **Noncorrosive**—This product is noncorrosive to typical heat transfer system materials of construction and has low odor and good handling characteristics.
- **Low Odor**—Easy to use

For more information, visit www.Therminol.com.

Typical Properties

Property	Test Method	Typical Value, Units
General		
Appearance		Clear, pale yellow liquid
Composition		Mixture of synthetic aromatics
Maximum bulk temperature		360 °C (680 °F)
Maximum film temperature		390 °C (735 °F)
Normal Boiling Point		308 °C (586 °F)
Pumpability		
@300 mm ² /s (cSt)		-10 °C (14 °F)
@ 2000 mm ² /s (cSt)		-26 °C (-14 °F)
Flash Point		
COC	ASTM D92	155 °C (311 °F)
Autoignition Temperature	DIN 51794	400 °C (752 °F)
Pour Point	ISO 3016	-33 °C (-27 °F)
Viscosity, Kinematic		
@ 40°C	ASTM D 445	13.6 cSt, mm ² /s
Liquid Density		
@ 15°C	ASTM D 4052	1030 kg/m ³ (8.6 lb/gal)

Acidity	ASTM D 664	<0.2 mg KOH/g
Molecular Weight (Average)		226
Copper Corrosion	ASTM D 130	<<1a
Moisture Content, maximum	ASTM E-203	200 ppm
Dielectric Constant @ 23°C	ASTM D-924	2.8

Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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