

Paratherm Corporation Paratherm™ HT Heat Transfer Fluid

Category : Fluid

Material Notes:

Paratherm HT Heat Transfer Fluid is a partially hydrogenated terphenyl based product designed for closed-loop liquid phase heating to 650°F (343°C) in fired heaters and 675°F (358°C) in solid fuel-fired heat recovery and full convection heaters. Applications include: gas processing, chemical processes, waste oil recovery, biodiesel production, and plastic processing. Information provided by Paratherm Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Paratherm-Corporation-Paratherm-HT-Heat-Transfer-Fluid.php

Physical Properties	Metric	English	Comments
Density	0.999 g/cc	0.0361 lb/in ³	
	@Temperature 23.9 °C	@Temperature 75.0 °F	
	1.01 g/cc	0.0364 lb/in ³	
	@Temperature 15.6 °C	@Temperature 60.0 °F	
Viscosity Measure	0.54 cSt	0.54 cSt	
	@Temperature 343 °C	@Temperature 649 °F	
	4.2 cSt	4.2 cSt	
	@Temperature 100 °C	@Temperature 212 °F	
	31 cSt	31 cSt	
	@Temperature 40.0 °C	@Temperature 104 °F	
Molecular Weight	330 g/mol	330 g/mol	average; ASTM D2502
Vapor Pressure	0.7934 bar	595.1 torr	
	@Temperature 357 °C	@Temperature 675 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	301 µm/m-°C	167 µin/in-°F	
	@Temperature 20.0 - 75.6 °C	@Temperature 68.0 - 168 °F	
Boiling Point	>= 349 °C	>= 660 °F	atmospheric boiling point; ASTM D1160
Maximum Service Temperature, Air	343 °C	650 °F	fired heaters
	357 °C	675 °F	all except fired heaters
	371 °C	700 °F	max. recommended film temperature

Thermal Properties	Temperature, Air	Metric	English	Comments
Flash Point		>= 171 °C	>= 340 °F	pmcc - Pensky-Martens Closed Cup; ASTM D93

Descriptive Properties	Value	Comments
Appearance	pale yellow	
Odor	mild	

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