

Paratherm Corporation Paratherm™ MR Heat Transfer Fluid

Category : Fluid

Material Notes:

Description: Paratherm MR® is a mid-range heat transfer fluid. It is efficient across the temperature range, thermally stable and cost-effective. Non-aromatic and non-toxic, the fluid is safe to use and is easy to dispose. Used or contaminated fluid can be safely combined with spent lubricating oils and recycled locally. It is designed for a broad variety of applications such as batch reactors, laminating lines and plastics mold temperature control. Information provided by Paratherm Corporation.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	0.803 g/cc	0.0290 lb/in ³	
	@Temperature 23.9 °C	@Temperature 75.0 °F	
Molecular Weight	230 g/mol	230 g/mol	average; ASTM D2502

Thermal Properties	Metric	English	Comments
Heat of Vaporization	293.8 J/g	126.4 BTU/lb	calculated
CTE, linear	782 µm/m-°C	435 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Boiling Point	301 - 327 °C	574 - 621 °F	atmospheric boiling range, 10% fraction to 90% fraction; ASTM D1160
Maximum Service Temperature, Air	288 °C	550 °F	optimum use range
	<= 316 °C	<= 600 °F	max. recommended film temperature
Minimum Service Temperature, Air	-1.11 °C	30.0 °F	optimum use range
Pour Point	-62.2 °C	-80.0 °F	ASTM D97
Flash Point	149 °C	300 °F	coc; ASTM D92

Descriptive Properties	Value	Comments
Appearance	transparent, bright water white	
Autoignition	621 °F	ASTM E659
Feedstock	hydrocarbon	
Fire point	325 °F	ASTM D92, coc
Odor	slight	

Descriptive Properties	Value	Comments at 2000 centipoise
Total Acid Number	0.01	ASTM D664

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