

## Solvay Specialty Polymers Galden® HT230 PFPE Heat Transfer Fluid

Category : Fluid , Polymer

### Material Notes:

Galden® HT grades are specifically recommended for use as heat transfer fluids. Galden® PFPE is a line of high-performance, inert, fluorinated fluids. Various grades, with a variety of service temperature ranges, are available. Uses include heat transfer, electronic reliability testing, vapor phase soldering, solvents, and acid spill mitigation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-Specialty-Polymers-Galden-HT230-PFPE-Heat-Transfer-Fluid.php](http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Galden-HT230-PFPE-Heat-Transfer-Fluid.php)

Physical Properties	Metric	English	Comments
Density	1.82 g/cc	0.0658 lb/in <sup>3</sup>	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Solubility of Water	0.0014 %	0.0014 %	
Kinematic Viscosity	4.4 cSt	4.4 cSt	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Molecular Weight	1020 g/mol	1020 g/mol	average
Vapor Pressure	0.0000333 bar	0.0250 torr	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Thermal Properties	Metric	English	Comments
Heat of Vaporization	66.9 J/g	28.8 BTU/lb	at boiling point
	@Temperature 230 °C	@Temperature 446 °F	
CTE, linear	367 µm/m-°C	204 µin/in-°F	converted from volumetric expansion of 0.0011 cm <sup>3</sup> /cm <sup>3</sup> -°C
Specific Heat Capacity	0.960 J/g-°C	0.229 BTU/lb-°F	
Thermal Conductivity	0.0650 W/m-K	0.451 BTU-in/hr-ft <sup>2</sup> -°F	
Boiling Point	230 °C	446 °F	
Maximum Service Temperature, Air	230 °C	446 °F	as heat transfer fluid
Minimum Service Temperature, Air	0.000 °C	32.0 °F	as heat transfer fluid

Electrical Properties	Metric	English	Comments
Volume Resistivity	6.00e+15 ohm-cm	6.00e+15 ohm-cm	
Dielectric Constant	1.94	1.94	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	15.7 kV/mm	399 kV/in	2.54 mm gap
Dissipation Factor	0.00020	0.00020	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Descriptive Properties	Value	Comments
Appearance	Clear and odorless	
Solubility of Air (cm <sup>3</sup> gas / 100 cm <sup>3</sup> liquid)	26	

## Contact Songhan Plastic Technology Co.,Ltd.

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