

Solvay Specialty Polymers Galden® HT270 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-HT270-PFPE-Heat-Transfer-Fluid.php

Physical Properties	Metric	English	Comments
Density	1.85 g/cc @Temperature 25.0 °C	0.0668 lb/in ³ @Temperature 77.0 °F	
Solubility of Water	0.0014 %	0.0014 %	
Kinematic Viscosity	11.7 cSt @Temperature 25.0 °C	11.7 cSt @Temperature 77.0 °F	
Molecular Weight	1550 g/mol	1550 g/mol	average
Vapor Pressure	0.00000400 bar @Temperature 25.0 °C	0.00300 torr @Temperature 77.0 °F	

Thermal Properties	Metric	English	Comments
Heat of Vaporization	62.8 J/g @Temperature 270 °C	27.0 BTU/lb @Temperature 518 °F	at boiling point
CTE, linear	367 µm/m-°C	204 µin/in-°F	converted from volumetric expansion of 0.0011 cm ³ /cm ³ -°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 ² -°F	
Boiling Point	270 °C	518 °F	
Maximum Service Temperature, Air	270 °C	518 °F	as heat transfer fluid
Minimum Service Temperature, Air	25.0 °C	77.0 °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 ³ gas / 100 cm ³ liquid)	26	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China