

Solvay Specialty Polymers Galden® D02TS PFPE Fluid

Category : Fluid , Polymer

Material Notes:

Galden® D grades are specifically recommended for electronic reliability testing, including thermal shock and hermetic seal testing. 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-D02TS-PFPE-Fluid.php

Physical Properties	Metric	English	Comments
Density	1.77 g/cc	0.0639 lb/in ³	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	1.95 g/cc	0.0704 lb/in ³	
	@Temperature -54.0 °C	@Temperature -65.2 °F	
Kinematic Viscosity	0.46 cSt	0.46 cSt	
	@Temperature 125 °C	@Temperature 257 °F	
	1.7 cSt	1.7 cSt	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	45 cSt	45 cSt	
	@Temperature -54.0 °C	@Temperature -65.2 °F	
Molecular Weight	750 g/mol	750 g/mol	average
Surface Tension	16 dynes/cm	16 dynes/cm	

Thermal Properties	Metric	English	Comments
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	0.973 J/g-°C	0.233 BTU/lb-°F	
Thermal Conductivity	0.0700 W/m-K	0.486 BTU-in/hr-ft ² -°F	
Boiling Point	165 °C	329 °F	
Pour Point	-97.0 °C	-143 °F	

Thermal Properties	Metric	English	Comments
Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	
Dielectric Constant	2.1	2.1	
Dielectric Strength	15.7 kV/mm	399 kV/in	2.54 mm gap

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