

## Solvay Specialty Polymers Galden® LLS215 PFPE VPS Fluid

Category : Fluid , Polymer

### Material Notes:

Galden® LS and HS grades are specifically recommended for vapor phase soldering. 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 (especially LS/HS grades), solvents, and acid spill mitigation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-Specialty-Polymers-Galden-LLS215-PFPE-VPS-Fluid.php](http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Galden-LLS215-PFPE-VPS-Fluid.php)

Physical Properties	Metric	English	Comments
Density	1.80 g/cc	0.0650 lb/in <sup>3</sup>	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Kinematic Viscosity	3.8 cSt	3.8 cSt	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Molecular Weight	950 g/mol	950 g/mol	average
Surface Tension	20 dynes/cm	20 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 <sup>3</sup> /cm <sup>3</sup> -°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 <sup>2</sup> -°F	
Boiling Point	215 °C	419 °F	

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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