

## Solvay Specialty Polymers Galden® LS200 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-LS200-PFPE-VPS-Fluid.php](http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Galden-LS200-PFPE-VPS-Fluid.php)

| Physical Properties | Metric               | English                   | Comments |
|---------------------|----------------------|---------------------------|----------|
| Density             | 1.79 g/cc            | 0.0647 lb/in <sup>3</sup> |          |
|                     | @Temperature 25.0 °C | @Temperature 77.0 °F      |          |
| Kinematic Viscosity | 2.5 cSt              | 2.5 cSt                   |          |
|                     | @Temperature 25.0 °C | @Temperature 77.0 °F      |          |
| Molecular Weight    | 870 g/mol            | 870 g/mol                 | average  |
| Surface Tension     | 19 dynes/cm          | 19 dynes/cm               |          |

| Thermal Properties     | Metric       | English                             | Comments                                                                           |
|------------------------|--------------|-------------------------------------|------------------------------------------------------------------------------------|
| CTE, linear            | 367 Åµm/m-°C | 204 Åµin/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          | 200 °C       | 392 °F                              |                                                                                    |
| Pour Point             | -97.0 °C     | -143 °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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