

Galden® LS215

perfluoropolyether

Galden® LS/HS is a line of fully fluorinated fluids specifically designed for the Vapor Phase Soldering process. The narrow molecular weight distribution

as well as the very strong carbon-fluorine bond and the flexible ether link provide the properties which make Galden® LS/HS ideal for use in VPS.

General

Material Status	• Commercial: Active	
Availability	• Africa & Middle East • Asia Pacific • Europe	• Latin America • North America
Features	• Chemical Resistant • High Density	• High Heat Resistance
Forms	• Liquid	

Physical

	Typical Value	Unit
Density (25°C)	1.80	g/cm ³
Average Molecular Weight	950	amu
Kinematic Viscosity (25°C)	3.80	cSt
Surface Tension	20	dyne/cm
Vapor Pressure (25°C)	12	Pa

Thermal

	Typical Value	Unit
Boiling Point	215	°C
Heat of Vaporization - at Boiling Point	63.0	J/g
Specific Heat Capacity (25°C)	0.23	cal/g/°C

Electrical

	Typical Value	Unit
Dielectric Constant	2.10	
Dielectric Strength - 2.54mm gap	40	kV
Volume Resistance	1E15	ohms·cm

Additional Information

Thermal Conductivity (25°C): 0.07 W/m°C
Coefficient of Expansion: 0.0011 cm³/cm³°C

Notes

Typical properties: these are not to be construed as specifications.

