

Galden® D05 perfluoropolyether

Galden® PFPE electronic fluids is a line of dielectric fluids with boiling points ranging from 55°C to 270°C. Their excellent dielectric properties, high chemical and thermal stability combined with their

capacity to operate at very low as well as elevated temperatures make them ideal for electronic quality testing.

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		
-54°C	1.98	g/cm ³
25°C	1.82	g/cm ³
Average Molecular Weight	1020	amu
Kinematic Viscosity (25°C)	4.40	cSt
Surface Tension	17	dyne/cm

Thermal

	Typical Value	Unit
Boiling Point	230	°C
Pour Point	-77	°C
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	5E15	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.

