

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.