SYENSQO

Galden® HT200
perfluoropolyether

Galden® HT PFPE are inert, dielectric and high-performance heat transfer fluids with boiling points ranging from 55°C to 270°C. This range is broader than other fluorinated heat transfer fluids and enables PFPE to be used at end-use temperatures up to 290°C. Syensqo offers a reliable and non-flammable Heat Transfer (HT) media for demanding applications, including:

- Semiconductor
- Chemical
- Pharmaceutical
- Vapor phase heating
- Transformer and super computer cooling
- Recirculating chillers
- Nuclear

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	1.79	g/cm³
Average Molecular Weight	870	amu
Kinematic Viscosity	2.40	cSt
Solubility		
of air	26.0	ml gas/100 ml liquid
of water	< 10.0	wppm
Surface Tension	19	dyne/cm
Vapor Pressure	0.2	torr

Thermal	Typical Value	Unit
Boiling Point	200	°C
Heat of Vaporization - at Boiling Point	15.0	cal/g
Pour Point	-85	°C
Specific Heat Capacity (25°C)	0.23	cal/g/°C

Electrical	Typical Value	Unit
Dielectric Constant	1.94	
Dielectric Strength - 2.54mm gap	40	kV
Dissipation Factor - 1 Khz	2.0E-4	
Volume Resistance	6*10E15	ohms·cm

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Optical	Typical Value	Unit	Test method
Refractive Index	1.28		ASTM D542

Additional Information

Thermal Conductivity: 0.065 W/m°C
Coefficient of Expansion: 0.0011 cm3/cm3°C

All values determined at 25 °C unless otherwise specified.

Notes

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