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
Average Molecular Weight	870	amu
Density	1.79	g/cm³
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.

SYENSQO

www.syensqo.com

Safety Data Sheets (SDS) are available by emailing us or contacting your sales representative. Always consult the appropriate SDS before using any of our products.