

## 3M Fluorinert™ FC-3284 Electronic Liquid

Category : Fluid

### Material Notes:

3M™ Fluorinert™ Liquid FC-3284 is a non-conductive, thermally and chemically stable fluid ideal for use in single and two phase heat transfer fluid applications, such as semiconductor package testing, power electronics and computer cooling. Features and Benefits Thermal stability Chemical stability Wide liquid range Non-conductive Narrow boiling range Compatibility Information provided by 3M

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-Fluorinert-FC-3284-Electronic-Liquid.php](http://www.lookpolymers.com/polymer_3M-Fluorinert-FC-3284-Electronic-Liquid.php)

Physical Properties	Metric	English	Comments
Density	1.71 g/cc	0.0618 lb/in <sup>3</sup>	Liquid
Viscosity	0.71 cP	0.71 cP	Absolute
Kinematic Viscosity	0.42 cSt	0.42 cSt	
Molecular Weight	299 g/mol	299 g/mol	
Vapor Pressure	0.357 bar	268 torr	

Thermal Properties	Metric	English	Comments
Heat of Vaporization	105 J/g	45.2 BTU/lb	Latent, at normal boiling point
CTE, linear	1600 μm/m-°C	889 μin/in-°F	
Specific Heat Capacity	1.10 J/g-°C	0.263 BTU/lb-°F	Liquid
Thermal Conductivity	0.0620 W/m-K	0.430 BTU-in/hr-ft <sup>2</sup> -°F	Liquid
Boiling Point	50.0 °C @Pressure 0.101 MPa	122 °F @Pressure 14.7 psi	
Pour Point	-73.0 °C	-99.4 °F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	7.00e+15 ohm-cm	7.00e+15 ohm-cm	
Dielectric Constant	1.86	1.86	
Dielectric Strength	1.57 kV/mm	40.0 kV/in	0.1" gap

Chemical Properties	Metric	English	Comments
Critical Temperature	161 °C	322 °F	Estimated

Descriptive Properties	Value	Comments
Color	Clear, colorless	

## Contact Songhan Plastic Technology Co.,Ltd.

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