

3M Novec™ 1230 Fire Protection Fluid

Category : Fluid

Material Notes:

3M™ Novec™ 1230 Fire Protection Fluid is a next-generation halon and HFC clean agent replacement technology, designed to alleviate concerns for human safety, performance and the environment. Features and Benefits: Next generation halon and HFC clean agent replacement technology Zero ozone depletion potential 5-day atmospheric lifetime Global warming potential of 1 Largest margin of safety among chemical clean agents for occupied spaces Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Novec-1230-Fire-Protection-Fluid.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in ³	Sat. Liquid
	0.891 g/cc @Pressure 0.101 MPa	0.0322 lb/in ³ @Pressure 14.7 psi	gas
Viscosity Measure	0.39 cSt @Temperature 25.0 °C	0.39 cSt @Temperature 77.0 °F	Liquid
	0.56 cSt @Temperature 0.000 °C	0.56 cSt @Temperature 32.0 °F	Liquid
Molecular Weight	316.04 g/mol	316.04 g/mol	
Vapor Pressure	0.404 bar	303 torr	

Thermal Properties	Metric	English	Comments
Heat of Vaporization	88.0 J/g	37.9 BTU/lb	@ boiling point
Specific Heat Capacity	1.103 J/g-°C	0.2636 BTU/lb-°F	Liquid
	0.0987 J/g-°C @Pressure 0.101 MPa	0.0236 BTU/lb-°F @Pressure 14.7 psi	Vapor
Boiling Point	49.2 °C	121 °F	
	@Pressure 0.101 MPa	@Pressure 14.7 psi	

Chemical Properties	Metric	English	Comments
Critical Pressure	18.65 bar	13990 torr	
Critical Temperature	168.7 °C	335.7 °F	
Critical Density	0.639 g/cc	0.0231 lb/in ³	

Chemical Properties	Metric	English	Comments
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Descriptive Properties	Value	Comments
Relative Dielectric Strength	2.3	1 atm (N₂=1.0)

Contact Songhan Plastic Technology Co.,Ltd.

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