

Asahi Glass CFC-113 Chlorofluorocarbon Solvent

Category : Fluid , Solvent

Material Notes:

Information provided by Asahi Glass Company, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Asahi-Glass-CFC-113-Chlorofluorocarbon-Solvent.php

Physical Properties	Metric	English	Comments
Density	0.007398 g/cc	0.0002673 lb/in ³	Vapor (1 atm)
	@Temperature 50.0 °C	@Temperature 122 °F	
	1.57 g/cc	0.0567 lb/in ³	Liquid
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Solubility of Water	0.019 %	0.019 %	25°C
Solubility in Water	0.017 %	0.017 %	25°C
Viscosity	0.65 cP	0.65 cP	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Molecular Weight	187.38 g/mol	187.38 g/mol	
Vapor Pressure	0.448 bar	336 torr	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Surface Tension	17.3 dynes/cm	17.3 dynes/cm	25°C

Thermal Properties	Metric	English	Comments
Heat of Vaporization	151 J/g	65.0 BTU/lb	b.p.
Specific Heat Capacity	0.708 J/g-°C	0.169 BTU/lb-°F	Vapor (1atm)
	@Temperature 50.0 °C	@Temperature 122 °F	
	0.962 J/g-°C	0.230 BTU/lb-°F	Liquid
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Melting Point	-35.0 °C	-31.0 °F	
Boiling Point	47.6 °C	118 °F	

Optical Properties	Metric	English	Comments
Refractive Index	1.356	1.356	

Optical Properties	@Temperature 23.0 °C Metric	@Temperature 73.4 °F English	Comments
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Electrical Properties	Metric	English	Comments
Dielectric Constant	2.41	2.41	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Chemical Properties	Metric	English	Comments
Critical Pressure	34.12 bar	25590 torr	
Critical Temperature	214.36 °C	417.85 °F	
Critical Density	0.570 g/cc	0.0206 lb/in ³	

Descriptive Properties	Value	Comments
Global Warming Potential (CO2=1, 100yr ITH)	5000	
KB Value	31	
Ratio of Specific Heat Cp/Cv 60C 1atm	1.096	
Relative Evaporation Rate (ether=100)	123	

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