

Solvay Specialty Polymers Meforex[®] 134a Ozone-Friendly CFC Replacement

Category : Fluid

Material Notes:

Formula: CH₂FCF₃; Name: 1,1,1,2 Tetrafluoroethane. Replaces CFC 12, R 500. Domestic refrigeration, commercial and automotive air-conditioning, polystyrene and polyurethanes foams, and pharmaceutical aerosol propellant. Information provided by Solvay Solexis, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Meforex-134a-Ozone-Friendly-CFC-Replacement.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc @Temperature 25.0 °C	0.0437 lb/in ³ @Temperature 77.0 °F	Liquid
Molecular Weight	102 g/mol	102 g/mol	
Vapor Pressure	6.66 bar @Temperature 25.0 °C	5000 torr @Temperature 77.0 °F	

Thermal Properties	Metric	English	Comments
Heat of Vaporization	217 J/g	93.4 BTU/lb	at Boiling Point
Melting Point	-101 °C	-150 °F	at 1.013 bar
Boiling Point	-26.2 °C	-15.2 °F	at 1.013 bar

Chemical Properties	Metric	English	Comments
Critical Pressure	40.67 bar	30510 torr	
Critical Temperature	101.1 °C	214.0 °F	
Critical Density	0.510 g/cc	0.0184 lb/in ³	

Descriptive Properties	Value	Comments
Flammability Range (vol%)	None	
Ozone Depletion Potential	0	Based on CFC11 = 1.0
Toxicity Level	1000 ppm	Allowed limit in work places, values suggested by AIHA (American Industrial Hygiene Association).

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