

Shandong Dongyue Polymer HFC-125 Pentafluoroethane Refrigerant, CHF₂CF₃

Category : Fluid

Material Notes:

Usage: Component of mixture used as refrigerant substituting for CFC-502 and HCFC-22; Fire extinguishing agent substituting for Halon-1211 and Halon-1301

Packing: Transport by cylinder or tank, the load index is below 0.9 kg/L. It has to be stored in shady, dry and ventilated place, and avoid exposure to sun and rain.

Molecular Formula: C₂HF₅ Structural Formula: CHF₂=CF₃ Conformable with Q/DYG 008-2005

Information provided by Shandong Dongyue Polymer Material Co., Ltd

Order this product through the following link:

[http://www.lookpolymers.com/polymer_Shandong-Dongyue-Polymer-HFC-125-Pentafluoroethane-Refrigerant-CHF₂CF₃.php](http://www.lookpolymers.com/polymer_Shandong-Dongyue-Polymer-HFC-125-Pentafluoroethane-Refrigerant-CHF2CF3.php)

Physical Properties	Metric	English	Comments
Density	1.245 g/cc	0.04498 lb/in ³	
	@Temperature 25.0 Å°C	@Temperature 77.0 Å°F	
Solubility in Water	1.26 %	1.26 %	
	@Temperature 25.0 Å°C	@Temperature 77.0 Å°F	
Molecular Weight	120.02 g/mol	120.02 g/mol	
Vapor Pressure	13.71 bar	10280 torr	
	@Temperature 25.0 Å°C	@Temperature 77.0 Å°F	

Thermal Properties	Metric	English	Comments
Heat of Vaporization	165 J/g	71.0 BTU/lb	at bp
Specific Heat Capacity	0.0900 J/g-Å°C	0.0215 BTU/lb-Å°F	liquid
	@Temperature 25.0 Å°C	@Temperature 77.0 Å°F	
Boiling Point	-48.45 Å°C	-55.21 Å°F	
	@Pressure 0.1013 MPa	@Pressure 14.69 psi	

Chemical Properties	Metric	English	Comments
Critical Pressure	35.92 bar	26940 torr	
Critical Temperature	66.05 Å°C	150.9 Å°F	
Critical Density	0.571 g/cc	0.0206 lb/in ³	
Acid Value	<= 0.10	<= 0.10	HF, mg/kg

Processing Properties	Metric	English	Comments
Moisture Content	<= 10 %	<= 10 %	Excellent Grade
	<= 20 %	<= 20 %	1st Grade

Descriptive Properties	Value	Comments
Appearance	Colorless	
GWP	0.84	
Non-Volatile Residue	<100	mg/kg
Odor	No uncommon odor	
ODP	0	
Purity (%)	>99.5	1st Grade
	>99.8	Excellent Grade

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