

**HFC-236fa**

Chemical Name: 1,1,1,3,3,3-Hexafluoropropane

**Specification**

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Item	Shanghai Waysmos	NFPA 2001
Appearance	Colorless liquefied gas	Colorless liquefied gas
Assay by GC	99.5%(min)	99.0%(min)
Moisture	10 ppm(max)	10 ppm(max)
Acidity as HF	3ppm(max)	3 ppm(max)
Non-volatile Residue	0.01g/100ml(max)	0.05g/100ml(max)

**Character**

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Clean and insulative

Good efficient and no residue

No depleting ozone layer in atmosphere

Safe for people

A people friendly replacement for Halon 1211

**Properties**

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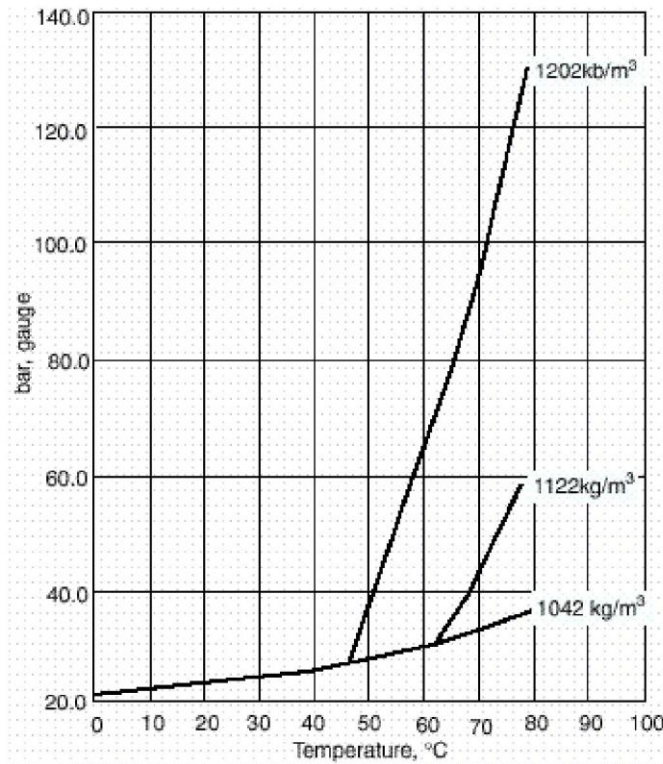
Empirical Formula	CF <sub>3</sub> -CH <sub>2</sub> -CF <sub>3</sub>
CAS Number	690-39-1
Molecular Weight	152.04
Boiling Point	-1.4°C
Freezing Point	-103°C
Vapor Pressure(25°C)	272KPa
Liquid Density (25°C)	1.36Kg/L
Critical Temperature	124.9°C
Critical Pressure	3200KPa
Critical Density	555Kg/m <sup>3</sup>



Extinguish Concentration ( Cup)	6.3%
NOAEL (V/V)	10%
LOAEL (V/V)	15%
LC50 or ALC (V/V)	> 18.9%
Ozone Depleting Potential	0
Atmospheric Lifetime	209 years

### Gas Filling Curve

Isometric diagram of HFC-236fa pressurized with nitrogen to 24.82 bar, gauge at 22°C.



### Application

HFC-236fa is an advanced, zero ozone-depletion replacement for Halon 1211 in streaming applications. Example of the applications include computer rooms, libraries, museums, laboratories, data processing centers, industrial process control rooms, chemical storage rooms and so on.