Electronic Grade 99.999% 5n Cylinder Gas C4f8 octafluorocyclobutane

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: C4f8
- Minimum Order Quantity: 1kg
- Price: US $75/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 5000kg/month

Product Specification

- Product Name: Octafluorocyclobutane Gas
- Valve: Cga580
- Boiling Point: -6 ºC
- Melting Point: -41.4 ºC
- Cylinder Pressure: 15MPa/20MPa
- Cylinder Standard: GB/ISO/DOT
- Transport Package: 40L, 47L, 50L
- Specification: 40L, 47L, 50L
- Trademark: CMC
- Origin: China
- HS Code: 29038900
- Supply Ability: 1000000ton/Year
- CAS No.: 115-25-3
- Formula: C4f8
- EINECS: 204-075-2

More Images

Our Product Introduction

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Product Description

Product Description

Octafluorocyclobutane (C4F8) is a chemical compound composed of carbon and fluorine. It is a perfluorinated cyclobutane with the molecular formula C4F8. Here are some additional details about octafluorocyclobutane:

Structure: Octafluorocyclobutane consists of a four-membered ring composed of carbon atoms, with each carbon atom bonded to four fluorine atoms. The molecule is fully saturated with fluorine, meaning that all available bonding sites on the carbon atoms are occupied by fluorine atoms.

Physical properties: Octafluorocyclobutane is a colorless gas at room temperature and pressure. It has a boiling point of around -16.3 °C (-1.3 °F) and a melting point of around -97.9 °C (-144.2 °F). It has a relatively low density and is soluble in some organic solvents.

Chemical properties: Octafluorocyclobutane is a chemically stable compound with low reactivity. It is non-flammable, non-toxic, and non-corrosive. It is resistant to most chemical reactions and is generally inert under normal conditions.

Applications: Octafluorocyclobutane has various applications, primarily in the electronics industry. It is commonly used as a dielectric gas in plasma etching processes for semiconductor manufacturing. It is particularly effective in etching silicon dioxide (SiO2) and silicon nitride (Si3N4) materials. Octafluorocyclobutane is also used in the production of photovoltaic cells, flat-panel displays, and other electronic devices.

Environmental impact: Like other fluorinated gases, octafluorocyclobutane has a high global warming potential (GWP). It has a significantly higher GWP than carbon dioxide (CO2) over a 100-year time frame. Therefore, it is important to manage and minimize the emissions of C4F8 and other similar compounds to mitigate their impact on climate change.

It's important to note that when working with octafluorocyclobutane or any other chemicals, appropriate safety measures and handling protocols should be followed to ensure personal safety and prevent environmental harm.

Basic Info.

DOT Class	2.2	Un No	1976
Cylinde	DOT/ISO/GB	Cylinder Pressure	15MPa/20MPa
Valve	Cga580	Melting Point	-41.4 ºC
Appearance	Colorless, Odorless	Boiling Point	-6 ºC
Density	6.9 Kg/M	Molecular Weight	200.03
Transport Package	40L, 47L, 50L	Specification	100.00%
Trademark	CMC	Origin	China
HS Code	29038900	Production Capacity	100, 000 Tons/Year

Specification:

CAS No.: 115-25-3
EINECS No.: 204-075-2
UN No.: UN1976
Purity: 99.999%
Dot Class: 2.2
Appearance: Colorless, Odorless
Grade Standard: Electronic Grade

Specification	99.999%
Oxygen + Argon	≤ 1 ppm
Nitrogen	≤ 2 ppm
Hydrogen	≤ 0.5 ppm
Carbon Monoxide	≤ 0.5 ppm
Carbon Dioxide	≤ 0.5 ppm
Methane	≤ 0.5 ppm
OHC	≤ 2 ppm
Moisture	≤ 3 ppm
Acidity as HF	≤ 0.1 ppm

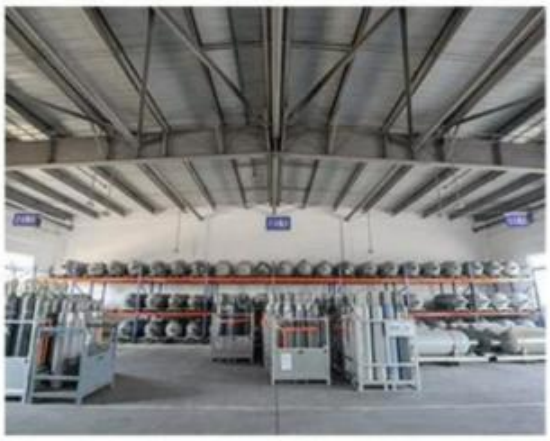
Packaging & Shipping

Cylinder Specifications		Contents
Cylinder Capacity	Valve	Weight
47L	DISS716	50 kgs

Company Profile

Shanghai Kemike Chemical Co., Ltd is staffed by trained personnel, combine many years experience in Gas industry .We supply cylinder gas, electronic gas, etc ., and the gas holder, panel, valves and fittings and other equipment, parts and engineering services to our customers in China and worldwide; The products are involved in various industrial fields, such as semiconductor chip, solar cell, LED, TFT-LCD, optical fiber, glass, laser, medicine , etc., Our mission is to partner with our global customers to provide support, solutions and quality products that are innovative,reliable, and safe.
Our products mainly include: H2, O2, N2, Ar, CO2, propane, acetylene, helium, laser mixed gas, SiH4, Sih2cl2, SiHCL3, SiCL4, NH3, CF4, NF3, SF6, HCL, N2O, doping mixed gas (TMB, PH3, B2H6) and other electronic gases.

SiCl4	NH3	NH3	CH3F	SiH4	Kr	H2S	WF6	F6+Cl2
4MS	C3F8	C3F8	TEOS	CH4	PH3	SF6	C2	HCl+Ne
CF4	C4F8	SiH2						TMB+H2
SiF4	C3H8	Cl2						He +As
BBr3	C3H6	DCE						Ge+Se
POCl3	N2	SO2						D+B
BCl3	D2	CO2						CO+NO
SiHCl3	CH2F2	HF	AsH3	C2H4	C2H2	HBr	COS	Ar+O2
TMAl	DMZn	DEZn	GeH4	C2H6	B2H6	H2Se	GeCl4	Xe+NO



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