



Precursor Gas In The CVD Surface Treatment Applications, Cylinder Gas Tungsten Hexafluoride

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: Wf6
- Minimum Order Quantity: 1 Piece
- Price: US \$ 15/PC
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 200 Tons/Year



Product Specification

- Product Name: Tungsten Hexafluoride
- Transport: By Sea
- DOT Class: 2.3
- Purity: 99.999%
- Model No.: Tungsten Hexafluoride
- Transport Package: Sea Transportation
- Specification: 10L/15kg
- Trademark: CMC
- Origin: Suzhou, China
- CAS No.: 7783-82-6
- Formula: Wf6
- EINECS: 232-029-1
- Constituent: Industrial Pure Air
- Grade Standard: Industrial Grade
- Chemical Property: Combustion-Supporting Gas



More Images



Product Description

Precursor Gas in The CVD Surface Treatment Applications Cylinder Gas Tungsten Hexafluoride

Tungsten hexafluoride (WF₆) is a chemical compound composed of one tungsten atom and six fluorine atoms. It is a colorless, corrosive gas with a pungent odor. Tungsten hexafluoride is highly reactive and can react violently with water or moisture in the air, releasing toxic hydrogen fluoride gas.

Applications of tungsten hexafluoride include its use as a precursor for depositing tungsten films in semiconductor manufacturing processes. It is commonly used in chemical vapor deposition (CVD) techniques to create thin films of tungsten for various applications, such as integrated circuit fabrication and thin-film coatings. Tungsten hexafluoride is preferred in these processes due to its high vapor pressure, which allows for efficient deposition.

However, it is important to handle and store tungsten hexafluoride with caution due to its reactivity and toxicity. Proper safety measures, including the use of appropriate protective equipment and handling procedures, should be followed when working with this compound.

Basic Info.

The COA of Product:

Test items	Units	Quality requirements	Test results
CF ₄	ppm	<0.5	<0.01
O ₂	ppm	<0.5	<0.01
N ₂	ppm	<1	0.03
CO	ppm	<0.5	<0.02
CO ₂	ppm	<0.5	<0.01
SiF ₄	ppm	<0.5	<0.1
SF ₆	ppm	<0.5	<0.1
HF	ppm	<5	0.19
Al	ppb	≤10	<0.020
As	ppb	≤10	<0.001
B	ppb	≤10	<0.005
Ca	ppb	≤5	<0.200
Cd	ppb	≤2	<0.001
Cr	ppb	≤10	<0.020
Fe	ppb	≤10	<0.007
K	ppb	≤5	<0.100
Mn	ppb	≤10	<0.001
Na	ppb	≤5	<0.040
Th	ppb	≤0.1	<0.001
Ti	ppb	≤10	<0.002
Li	ppb	≤10	<0.002
U	ppb	≤0.05	<0.001
Zn	ppb	≤10	<0.005
Si	ppb	≤10	<0.100
Pb	ppb	≤10	<0.001
P	ppb	≤2	<0.300
Mg	ppb	≤10	<0.020
Ni	ppb	≤20	<0.030
Cu	ppb	≤5	<0.005
Mo	ppb	≤10	<0.001
Total impurities of other metal	ppb	≤500	<0.0010

Product Spec:

Tungsten Hexafluoride WF₆ GAS

CAS No.: 7783-82-6

EINECS No.: 232-029-1

UN No.: UN2196

Purity: 99.999%

Dot Class: 2.3

Appearance: Colorless

Grade Standard: Electron Grade, Industrial Grade

Detailed Photo



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.

SiCl ₄	NH ₃	NH ₃	CH ₃ F	SiH ₄	Kr	H ₂ S	WF ₆	F ₆ +Cl ₂
4MS	C ₃ F ₈	C ₃ F ₈	TEOS	CH ₄	PH ₃	SF ₆	C ₂	HCl+Ne
CF ₄	C ₄ F ₈	SiH ₂						TMB+H ₂
SiF ₄	C ₃ H ₈	Cl ₂						He +As
BBr ₃	C ₃ H ₆	DCE						Ge+Se
POCl ₃	N ₂	SO ₂						D+B
BCl ₃	D ₂	CO ₂						CO+NO
SiHCl ₃	CH ₂ F ₂	HF						Ar+O ₂
TMAI	DMZn	DEZn						Xe+NO
AsH ₃	C ₂ H ₄	C ₂ H ₂	HBr	COS	Ar+O ₂			
GeH ₄	C ₂ H ₆	B ₂ H ₆	H ₂ Se	GeCl ₄	Xe+NO			



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