



Protective Gas In Metals Semiconductors Cylinder Gas Ar Gas Argon

Our Product Introduction

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Basic Information

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



Product Specification

- Product Name: Argon Gas
- Cylinder Standard: DOT/ISO/GB
- Boiling Point: -185.7 C
- Melting Point: -189.2 C
- Density: 1.784 Kg/M³
- Transport Package: Sea Transportation
- Specification: 10L 40L 47L 50L 200L
- Trademark: CMC
- Origin: Suzhou, China
- HS Code: 2804290000
- Supply Ability: 2000piece/Month
- CAS No.: 7440-37-1
- Formula: Ar
- EINECS: 231-147-0
- Constituent: Industrial Pure Air



More Images



Product Description

Product Description

Argon (Ar) gas is a colorless, odorless, and non-reactive gas that belongs to the noble gas group in the periodic table. It is the third most abundant gas in the Earth's atmosphere, constituting about 0.93% of the atmosphere.

Here are some key points about argon gas:

Properties: Argon is a monatomic gas, meaning its atoms exist as single atoms rather than forming molecules. It is denser than air and is slightly soluble in water. Argon is chemically inert, meaning it does not readily react with other elements or compounds under normal conditions.

Industrial Applications: Argon has various industrial uses due to its unique properties. It is commonly used as a shielding gas in welding processes to protect the weld area from atmospheric gases, preventing oxidation and ensuring a high-quality weld. Argon is also used in the production of specialty glass, as a carrier gas in chromatography, and as a protective gas in the production of metals and semiconductors.

Lighting Applications: Argon is used in various types of lighting, such as fluorescent lights and plasma displays. When an electric current passes through argon gas, it emits a blue-violet glow. Argon is also used in some types of gas lasers, including argon ion lasers, which produce powerful beams of light in the visible and ultraviolet range.

Medical Applications: Argon gas has medical applications as well. It can be used in cryosurgery, a procedure that uses extreme cold to destroy abnormal tissue, such as warts or certain skin lesions. Argon gas is also used in some medical imaging techniques, such as magnetic resonance imaging (MRI), as a cooling agent for superconducting magnets.

Inert Atmosphere: Argon is often used as an inert atmosphere in laboratory settings and industrial processes. Its inertness makes it suitable for creating oxygen-free or moisture-free environments, protecting sensitive materials or reactions from unwanted chemical reactions with air or moisture.

Due to its non-toxic and non-reactive nature, argon gas is considered relatively safe to handle. However, as with any compressed gas, proper safety precautions should be followed, including storage in well-ventilated areas and using appropriate handling equipment.

Basic Info.

Model NO.	Ar	Content	Content: 28tons
Industrial Grade	Industrial Grade	Tank Car	26m³
Purity	100.00%	Transport Package	Sea Transportation
Specification	Tank Car: 26m³; Content : 28tons	Trademark	CMC
Origin	suzhou	Production Capacity	5000piece/Month

Product Parameters

Specification Tank Car: 26m³ Content: 28tons

Application

1. used as a protective gas for the production of high purity silicon and germanium crystals in the semiconductor industry;
2. used as inert gas for system cleaning, shielding and pressurization;
3. Be applied in chemical vapor deposition, sputtering, annealing and other processes.
4. used as chromatographic carrier gas, and can also be used as a dilution gas of gas mixture in large-scale integrated circuits.

Detailed Photos





About us



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	
			GeH ₄	C ₂ H ₆	B ₂ H ₆	H ₂ Se	GeCl ₄	



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