



Cylinder Gas China Supply Best Price Teos Gas Tetraethylorthosilicate

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: Teos
- Minimum Order Quantity: 1kg
- Price: US \$10/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 50000kg/month



Product Specification

- Product Name: Tetraethylorthosilicate
- Analysis Report: COA
- Gas Name: Ethylsilicate Gas
- Widely Used: Semiconductor Technology
- Model No.: Teos Gas
- Transport Package: 20L, 40L, 280L And Customizable
- Specification: Y-Cylinder, T-Drum, TT, Tanker
- Trademark: CMC
- Origin: China
- HS Code: 2812190091
- Supply Ability: 50000kg/Month
- CAS No.: 78-10-4
- Formula: $\text{Si}(\text{OC}_2\text{H}_5)_4$
- EINECS: 201-083-8
- Constituent: Industrial Pure Air



More Images



Product Description

Product Description

Tetraethylorthosilicate (TEOS), also known as tetraethoxysilane, is a chemical compound with the formula $\text{Si}(\text{OC}_2\text{H}_5)_4$. It is a colorless liquid that is primarily used as a precursor for the synthesis of silicon dioxide (SiO_2) or silica materials.

TEOS is commonly employed in the production of silica-based materials such as glass, ceramics, and thin films. It is particularly important in the manufacturing of silicon dioxide coatings and films used in microelectronics, optical fibers, and various types of coatings. TEOS can be hydrolyzed in the presence of water or moisture to form silanol groups, which then condense to create a silica network.

The hydrolysis and condensation reactions of TEOS are often carried out in the presence of a catalyst or under controlled conditions to achieve the desired properties of the resulting silica materials. These materials can have diverse applications, including as insulating layers, dielectrics, protective coatings, and substrates in various technological fields.

It is worth noting that TEOS is a volatile and flammable liquid, so appropriate safety precautions should be taken when handling and using it.

Basic Info.

Model No:	TEOS	Transport Package	Y-Cylinder, T-Drum, Tt, Tanker
Specification:	20L,40L,280L and customizable	Trademark	CMC
Origin:	Suzhou,China	HS Code	2812190091
Production Capacity:	50000kg/Month		

Product specification:

CAS NO.	11099-06-2
Purity, %	99%min
Molecular weight	740
Density(p20)g/cm3	1.05-1.07
Silicon Dioxide	40-42%

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: H_2 , O_2 , N_2 , Ar, CO_2 , propane, acetylene, helium, laser mixed gas, SiH_4 , SiH_2Cl_2 , SiHCl_3 , SiCl_4 , NH_3 , CF_4 , NF_3 , SF_6 , HCl , N_2O , doping mixed gas (TMB, PH_3 , B_2H_6) and other electronic gases.

SiCl_4	NH_3	NH_3	CH_3F	SiH_4	Kr	H_2S	WF_6	F_6+Cl_2
4MS	C_3F_8	C_3F_8	TEOS	CH_4	PH_3	SF_6	C_2	$\text{HCl}+\text{Ne}$
CF_4	C_4F_8	SiH_2						$\text{TMB}+\text{H}_2$
SiF_4	C_3H_8	Cl_2						He +As
BBr_3	C_3H_6	DCE						Ge+Se
POCl_3	N_2	SO_2						D+B
BCl_3	D_2	CO_2						$\text{CO}+\text{NO}$
SiHCl_3	CH_2F_2	HF	AsH_3	C_2H_4	C_2H_2	HBr	COS	$\text{Ar}+\text{O}_2$
TMAI	DMZn	DEZn	GeH_4	C_2H_6	B_2H_6	H_2Se	GeCl_4	$\text{Xe}+\text{NO}$



Detailed Photos



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