

Silicon Tetrafluoride (SiF₄)

VLSI Grade

Total Purity ≥ 99.998%

Description

VLSI Grade Silicon Tetrafluoride (99.99%) is our highest purity grade for electronic applications. Silicon Tetrafluoride is a colorless, toxic, nonflammable gas with a suffocating odor. It is irritating to mucous membranes. SiF₄ forms dense fumes in humid air, and hydrolyses rapidly to form fluorosilicic acid and hydrogen fluoride.

Specifications

Carbon Dioxide (CO ₂)	< 1.0 ppmv
Carbon Monoxide (CO)	< 0.5 ppmv
Hydrogen Fluoride (HF)	< 5 ppmv
Methane (CH ₄)	< 10 ppmv
Nitrogen (N ₂)	< 3.0 ppmv
Oxygen (O ₂)	< 1.0 ppmv
Arsenic (As)	< 0.5 ppmw
Boron (B)	< 0.5 ppmw
Phosphorous (P)	< 0.5 ppmw

Standard Package Information – Asia, North America & Europe

Material Number	172720
Cylinder Size	44L Steel
Fill Weight (lbs)	
Fill Weight (kgs)	36
Valve Connection	Manual DISS 642
Cylinder Dimensions (in)	9x51

For More Information

If you would like additional information or technical assistance, write or call Air Products and Chemicals, Inc. at one of the following locations.

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