

Silane (SiH₄)

Megaclass Grade

Total Purity ≥ 99.9999%

Description

A colorless, extremely reactive compressed gas. Ignites spontaneously in air.

Specifications

Carbon Dioxide (CO ₂)	≤ 0.05 ppmv
Carbon Monoxide (CO)	≤ 0.05 ppmv
Chlorosilane as chlorides	≤ 0.2 ppmv
Hydrogen (H ₂)	≤ 50 ppmv
Methane (CH ₄)	≤ 0.05 ppmv
Nitrogen (N ₂)	≤ 0.5 ppmv
Oxygen and Argon (O ₂ & Ar)	≤ 0.5 ppmv
Resistivity (ρ)	≥ 10,000 ohm-cm
Water (H ₂ O)	≤ 0.5 ppmv
Aluminum (Al)	≤ 0.005 ppba
Antimony (Sb)	≤ 0.005 ppba
Arsenic (As)	≤ 0.005 ppba
Boron (B)	≤ 0.02 ppba
Carbon (C)	≤ 0.1 ppma
Chromium (Cr)	≤ 0.01 ppba
Gallium (Ga)	≤ 0.005 ppba
Indium (In)	≤ 0.005 ppba
Iron (Fe)	≤ 0.4 ppba
Nickel (Ni)	≤ 0.2 ppba
Phosphorous (P)	≤ 0.02 ppba

Standard Package Information – Asia & North America

Material Number	130204	11485	11488
Cylinder Size	448L Steel	44L Steel	44L Steel
Fill Weight (kg)	125	12	12
Valve Connection	Pneumatic DISS 632	Pneumatic DISS 632	Manual DISS 632
Cylinder Dimensions (in)	24X90	9X51	9X51

Standard Package Information – Europe

Material Number	37475	38419
Cylinder Size	50L Steel	50L Steel
Fill Weight (kg)	16	12
Valve Connection	Pneumatic DISS 632	Pneumatic DIN 1
Cylinder Dimensions (cm)	23X149	23X149

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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