

SiF₄ **Silicon Tetrafluoride**

Product Description

Air Product's Silicon Tetrafluoride (SiF₄) is a gas precursor used for the chemical vapor deposition of high-quality low dielectric constant precursors.

Air Products: Global Supplier of CVD Low-k Dielectric Precursors

Air Products offers a comprehensive low-k package, including a variety of high-purity electronic specialty gases, its Schumacher unit's low-k chemical product line, delivery equipment and MEGASYS® on-site management services to maximize productivity and speed the development of new systems.

In addition to SiF₄, the company's portfolio of interlayer dielectric (ILD) precursor products includes SiH₄, 1MS, 3MS and chlorosilanes (TCS, STC, DCS).

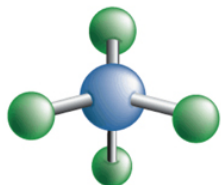
Air Products' Schumacher unit offers several proven ILD products, including TEOS, DEMS, DMDMOS, ZTOMCATS™, and Z4MS™ CVD low-k precursors, and our MesoELK™ SiO₂ precursor and PDEMS™.

In addition, Air Products offers a full line of gas and chemical delivery equipment providing a high degree of safety and effective use of its low-k products. Offerings include the company's CHEMGUARD® and GASGUARD® gas cabinets.

Table 1

Physical Characteristics

Formula	SiF ₄
Molecular Weight	104.08
Specific Volume @ 70°C/1atm	3.69ft ³ /lb



SiF₄ Silicon Tetrafluoride Molecule



For More Information

This datasheet has provided only a brief overview of Air Products' wide range of low-k solutions. If you would like more information, please contact:

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