

ADVANCED MATERIALS | HIGH-PURITY POWDERS

Silica

Hydride Powder

NS6130-12-001719



* This image is for graphic purposes only and does not represent the actual product.

Quick Facts

FORMULA	SiH ₄
FORM	Powder
CAS	7803-62-5

TECHNICAL SPECIFICATIONS

99.9 %
Purity

40–50 μm
Particle size · APS

32.117 g/mol
Molecular weight

Silica hydride is a colloidal mineral compound containing silicon, oxygen, and hydrogen. Silane is used in the deposition of amorphous silicon, epitaxial silicon and silicon based dielectrics. Polycrystalline films can be deposited on silicon wafers and glass substrates via remote plasma chemical vapor deposition (RPCVD) using a SiH₄-SiF₂-H₂ gas mixture.

Applications



• Materials Research

• Surface Modification

• Chemical Synthesis

• Semiconductor Research

• Advanced Nanomaterials

PACK SIZES

25 g / 50 g / 100 g / 500 g / Bulk orders



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CERTIFIED COMPANY

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