

**Product Name:** Silicon carbide powder, fine, 320 grit  
**Catalog Number:** A16601.0E

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**CAS Number:** 409-21-2  
**IUPAC Name:** methanidyldynesilylium  
**Molecular Formula:** CSi  
**Molecular Weight:** 40.10  
**MDL Number:** MFCD00049531  
**InChI Key:** HBMJWWWQQXIZIP-UHFFFAOYSA-N  
**SMILES:** [C-]#[Si+]  
**Synonym:** silicon carbide|carborundum|SiC|siliciumcarbide|siliziumkarbid|silicon monocarbide|silicon(IV) carbide

## Product Specification

**Appearance (Color):** Dark grey to black  
**Form:** Powder  
**Comment:** Hardness: 9 moh/2500 knoop diamond  
**Impurity content:** Free Carbon C: ≤0.5%  
**Particle Size:** Mean (d50): 29.2 +/- 1.5μ  
**Impurity content:** Iron(III) oxide Fe<sub>2</sub>O<sub>3</sub>: ≤0.25%  
**Particle Size:** Conforms to FEPA-Standard 42-1:2006  
**Assay from Suppliers CofA:** ≥98.0% SiC

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**Date Of Print:** 05/17/2025

*Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.*