



GNP Ceramics, LLC

Technical Data

Green Silicon Carbide

Typical Chemistry

Silicon Carbide (SiC)	99.08%
Free Silicon (Si)	0.15%
Free Silicon Dioxide (SiO ₂)	0.54%
Free Carbon (C)	0.10%
Iron (Fe)	0.11%
Other	0.02%

Physical Characteristics

Crystal Form:	Hexagonal (Alpha SiC)
True Density:	3.21 g/cm ³
Melting Point:	Dissociates at ~2800 C
Hardness:	Knoop (100) -2600; Mohs 9.4

Test Methods

Sizing: FEPA F Standard 42-1:2006
ANSI B74.12-2003
Customer Specific Standards

Green Silicon Carbide

Description:

Green Silicon Carbide is a high purity silicon carbide produced in an electrical resistance arc furnace with high purity quartz and coke as its primary raw materials. The final product produces a harder, sharper, and more friable crystal than Black Silicon Carbide. GNP Ceramic's Green Silicon Carbide grains are produced using various techniques to optimize shape, surface area, and density.

Applications:

GNP Ceramic's Green Silicon Carbide is used for grinding hard alloys where cool cutting is of utmost importance. It is also commonly used in ceramic and refractory materials, and electrical applications.

Contact us:

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Manufacturers and Distributors of Premium Ceramic Materials

Silicon Carbide Aluminum Oxide Boron Carbide Zirconias Ceramic Media
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