



GNP Ceramics, LLC

Technical Data

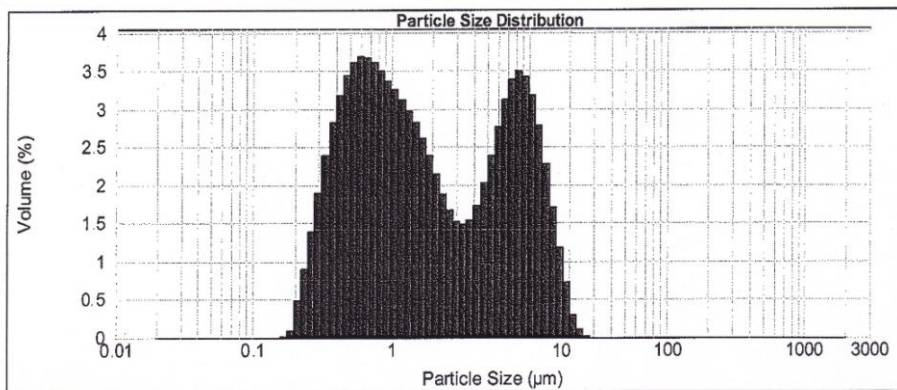
Green Silicon Carbide - GS07

Typical Chemistry

Silicon Carbide (SiC)	99.10%
Free Silicon (Si)	0.05%
Silicon Dioxide (SiO ₂)	0.087%
Free Carbon (C)	0.10%
Iron (Fe)	0.03%

Typical Physical Characteristics

Crystal Form:	Hexagonal
True Density:	3.21 g/cm ³
Melting Point:	Dissociates at ~2800 C
Hardness:	Knoop (100) -2600; Mohs 9.4
SSA:	~ 5.2 m/gm ² (BET)
PH:	5.5-6.5
Sizing:	d50 ~1.5um



Green Silicon Carbide - GS07

Description:

GS07 is a high purity Green Silicon Carbide which has a special surface treatment to provide a product with unique slip characteristics. The special treatment allows for easy slurry formation while using less water.

Applications:

GS07 is used in the production of nitride bonded and recrystallized ceramics pieces. When using GS07 in conjunction with 100/F Green Silicon Carbide during slip casting - a finished product's density can reach 2.70 g/cm³.

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Manufacturers and Distributors of Premium Ceramic Materials

Silicon Carbide Aluminum Oxide Boron Carbide Zirconias Ceramic Media
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