GNPGraystar
Specialty Materials
AN ISO 9001 CERTIFIED COMPANY

TECHNICAL DATA SHEET
Green Silicon Carbide FCP07 & 100F for SiC-R/SiC-N

FCP07 - Typical Chemical & Physical Analysis

Silicon Dioxide (SiO_2)	1.60 %
Free Silicon (Si)	0.25 %
Free Carbon (C)	0.30 %
Total Oxygen (O_2)	1.10 %
S.S.A.	7.0 m^2/g
Conductivity	10 QS
Sizing	d50: ~3 µm

100F - Typical Chemical & Physical Analysis

Silicon Carbide (SiC)	99.50
Silicon Dioxide (SiO_2)	0.15 %
Free Silicon (Si)	0.15 %
Free Carbon (C)	0.10 %
Iron (Fe_2O_3)	0.02 %
Aluminum Oxide (Al_2O_3)	0.005 %
Calcium Oxide (CaO)	0.005 %
L.P.D.	1.59 g/cm^3

Description:
GNPGraystar's FCP07 is a chemically treated, high purity, Green Silicon Carbide used for the production of re-crystallized and nitrite-bonded ceramic parts.

Applications:
GNPGraystar's FCP07, with its unique slip properties used in combination with 100F, provides a maximum green density and high oxidation resistance in applications such as the production of kiln furniture or semiconductor components and process materials.

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Typical Sieve Analysis

Sieve #	50	100	120	140	200	325	Pan
% Retained	0 %	2 %	17 %	22 %	35 %	23 %	1 %

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