

# Black Silicon Carbide





## Black Silicon Carbide

Black Silicon Carbide is one of the hardest minerals after diamond. It is a synthetic mineral.

### Chemical Analysis

	%
SiC	97.0 - 98.5
Al <sub>2</sub> O <sub>3</sub>	0.50
SiO <sub>2</sub>	1.0
Fe <sub>2</sub> O <sub>3</sub>	0.20
Si	0.80
C	0.50

### Physical Data

Particle Shape	Angular
Colour	Black
Specific Gravity g/cm <sup>3</sup>	3.20
Bulk Density g/cm <sup>3</sup>	1.34-1.59
Hardness Knoop 100	2480
Hardness (Mohs)	9.5

### Commodity Code

2849 200000

### Particle Sizes

FEPA	Average (mm)	FEPA	Average (mm)
220	0.05	46	0.36
180	0.06	36	0.50
150	0.08	30	0.60
120	0.10	24	0.70
100	0.13	20	1.0
90	0.15	16	1.2
80	0.18	14	1.4
70	0.21	12	1.7
60	0.26	10	2.0
54	0.30	8	2.4

*not all grades may be available from stock*

### Packing

25 kilo bags on pallets of 1000 kilos and bulk bags

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*All information is given in good faith but is indicative only and does not constitute a specification.*

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# Boud

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