

## TECHNICAL DATA

**Brand Name:** ***Black Silicon Carbide***

**Product:** Silicon Carbide - Black

**Description:** A high grade electro fused black silicon carbide.

**Application:** One of the toughest and most aggressive products in the synthetic mineral ranges for use in a myriad of applications from general blasting and surface finishing of non aero components, anti slip flooring, vibratory finishing medias, safe manufacture, coated & bonded abrasives and polishing compounds.

### Chemical Composition:

Compound	Chemical Formula	Typical Content %
Silicon Carbide	SiC	97.50 - 98.50%
Free Silicon	Si	00.50%
Silica	SiO <sub>2</sub>	01.00%
Free Carbon	C	00.30%
Iron (Surface)	Fe <sub>2</sub> O <sub>3</sub>	00.10%
Aluminium Oxide	Al <sub>2</sub> O <sub>3</sub>	00.50%

### Physical Parameters:

Bulk Density	1.64 – 1.88 g /cc (subject to grade)
Shape	Angular
Colour	Black Iridescent
Specific Gravity	3.20 g/cc
Hardness	9 moh / 2500 knoop Diamond

### Gradation:

FEPA F macro range 8 to 220 and micro 240 to 1200, bespoke and blended grades on request

### Packaging:

Typically 25 kg multi ply paper sacks, but 1000kg big bags are available and custom label on application

### Compliance:

This product has been registered with ECHA under REACH Regulation requirements for High volume Industrial Production requirements.

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Issue: 5

Date: Nov 2022

Document Status: ~~Controlled~~/ Uncontrolled

### E & OE

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