



Abrasives, Electro Minerals & Metals

TECHNICAL DATA

Brand Name: ***Black Silicon Carbide*** Mac'Ants Group Ref: **BSC**

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 ₂	01.00%
Free Carbon	C	00.30%
Iron (Surface)	Fe ₂ O ₃	00.10%
Aluminium Oxide	Al ₂ O ₃	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. For full reach compliabcce data please refr to our website, www.macants.co.uk/ / www.macants.com

Page: 1-4-1
Issue: 4
Date: Feb 2010

Document Status: ~~Controlled~~/ **Uncontrolled**

E & OE

Mac'Ants Group, Todwick Road, Dinnington, Sheffield S25 3SE UK
Tel: +44 (0) 1909 552500 Fax : +44 (0) 1909 568726
Email: group@macants.co.uk www.macants.co.uk