



Abrasives, Electro Minerals & Metals

TECHNICAL DATA

Brand Name: **Green Silicon Carbide** Mac'Ants Group Ref: **GSC**

Product: Green Silicon Carbide

Description: A high grade electro fused green silicon carbide.

Application: One of the toughest and aggressive products and a highly consistent synthetic mineral 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. The addition of sodium chloride in the manufacturing affords a tougher grain than black and adds a subtle green colour.

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	00.20%
Sodium Chloride	NaCl	<0.05%

Physical Parameters:

Bulk Density	1.64 – 1.88 g /cc (subject to grade)
Shape	Angular
Colour	Green - 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.

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

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