



Abrasives, Electro Minerals & Metals

TECHNICAL DATA

Brand Name: *MacCarbide C5* Mac'Ants Group Ref: **MC_C5-**

Product: Proprietary Second Silicon Carbide

Description: Synthetic black silicon carbide.

Application: A secondary grade of silicon carbide from a proprietary formulation for use in a range of application from bonded and coated abrasives to slip resistant products.

Chemical Composition:

Compound	Chemical Formula	Typical Content %	CAS No. / EINECS No.
Silicon Carbide	SiC	48.50 - 51.09%	409-21-2 / 206-991-8
Aluminium Oxide	Al ₂ O ₃	36.35%	1344-28-1 / 215-691-6
Free Silicon	Si	0.25%	7440-21-3 / 231-130-8
Silica	SiO ₂	5.31%	7631-86-9 / 231-545-4
Free Carbon	C	0.15%	7440-40-0 / 231-153-3
Iron (Surface)	Fe ₂ O ₃	<0.30%	1309-37-1 / 215-168-2
Iron (Amorphous)	Fe ₂ O ₃	4.91%	1309-37-1 / 215-168-2
Titanium Dioxide	TiO ₂	1.64%	13463-67-7 / 236-675-5

Physical Parameters:

Bulk Density	1.60 – 1.88 g /cc (subject to grade)
Shape	Angular
Colour	Black Iridescent to Grey
Specific Gravity	3.10 g/cc
Hardness	9 moh

Gradation:

Metric fractions, FEPA Macro fractions – please enquire on availability of desired fraction.

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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