



ELECTROCARB[®] BLACK SILICON CARBIDE

#1 GRADE SILICON CARBIDE FOR REFRACTORY & CERAMIC APPLICATIONS

Electro Abrasives, LLC. manufactures Black Silicon Carbide grains & powders in sizes to meet all of our customers' needs. It is manufactured by a team of professionals dedicated to provide our customers the best in quality, service, and support.

ABOUT:

ELECTROCARB[®] Black Silicon Carbide (SiC) is an extremely hard (Mohs 9.1 / 2550 Knoop) man made mineral that possesses high thermal conductivity and high strength at elevated temperatures (at 1000°C, SiC is 7.5 times stronger than Al₂O₃). SiC has a modulus of elasticity of 410 GPa, with no decrease in strength up to 1600°C, and it does not melt at normal pressures but instead dissociates at 2600°C.

APPLICATIONS:

ELECTROCARB[®] Black Silicon Carbide contains some free silicon (Si) and carbon (C) and is not as pure as green SiC. It is ideal for a wide variety of applications including bonded and specialty refractories, metal-matrix composites, kiln furniture, and many more.

TYPICAL CHEMICAL ANALYSIS	
SiC	97.7%
SiO ₂	0.7%
Si	0.8%
Fe	0.2%
Al	0.3%
C	0.3%

TYPICAL PHYSICAL PROPERTIES	
Hardness:	Knoop: 2550 Mohs: 9.1
Melting Point:	Sublimes at 4712°F (2600°C)
Particle Shape:	Blocky
Color:	Black

STANDARD SPLIT SIZES

4/8, 6/10, 6/8, 8/16, 16/35, 35/70, 100/F, 200/F, 800/F

Other Sizes Available Upon Request

AVAILABLE SINGLE GRIT SIZES

36 grit (ASTM); 8 grit - 240 grit (ANSI); 280 grit - 1200 grit (FEPA)



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GRUPO CURIMBABA

Updated: 05/13

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