

Black Silicon Carbide



It is black and features brittle and sharp, certain capacity of heat-transmission and electricity-transmission. Its Knoop hardness is 3100-3280kg/mm². It can be used for making bonded and coated abrasives, which are suitable for grinding metal and non-metal materials with lower tensile strength, such as gray cast iron, brass, aluminium, stone, leather, rubber, paint, wood, etc. Besides, it can be also used for refractories.

Chemical Composition

Grit	SiC (%)	Si (%)	Fe (%)	C (%)
#24-#100	≥99.0	≥0.3	≤0.25	≤0.2
#120-#220	≥98.5	≥0.3	≤0.25	≤0.2
#240-#400	≥98.5	≥0.3	≤0.25	≤0.2
#500-#800	≥98.0	≥0.4	≤0.25	≤0.25
#1000-#1500	≥97.5	≥0.4	≤0.25	≤0.25

Applications

- Bonded and coated abrasives
- Lapping and blasting
- Refractory materials
- Ceramics application

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