



Black Silicon Carbide

Black silicon carbide is produced at high temperature in an electric resistance type furnace with quartz sand and petroleum coke as its main raw materials. It is used for making bonded and coated abrasive tools, grinding metal and non-metal materials of lower tensile strength, such as gray cast iron yellow bronze, aluminum, stone, leather, rubber, etc.

Chemical Composition (%)

Grit	Sic	F.C.	Fe ₂ O ₃
F12-F90	≥98.50	<0.20	≤0.60
F100-F150	≥98.00	<0.30	≤0.80
F180-F220	≥97.00	<0.30	≤1.20
F230-F400	≥96.00	<0.40	≤1.20
F500-F800	≥95.00	<0.40	≤1.20
F1000-F1200	≥93.00	<0.50	≤1.20
P12-P90	≥98.50	<0.20	≤0.60
P100-P150	≥98.00	<0.30	≤0.80
P180-P220	≥97.00	<0.30	≤1.20
P230-P500	≥96.00	<0.40	≤1.20
P600-P1500	≥95.00	<0.40	≤1.20
P2000-P2500	≥93.00	<0.50	≤1.20

Physical Index

Grits	Bulk Density g/cm ³	High Density g/cm ³	Grits	Bulk Density g/cm ³	High Density g/cm ³
F16 ~ F24	1.42~1.50	≥1.50	F100	1.36~1.45	≥1.45
F30 ~ F40	1.42~1.50	≥1.50	F120	1.34~1.43	≥1.43
F46 ~ F54	1.43~1.51	≥1.51	F150	1.32~1.41	≥1.41
F60 ~ F70	1.40~1.48	≥1.48	F180	1.31~1.40	≥1.40
F80	1.38~1.46	≥1.46	F220	1.31~1.40	≥1.40
F90	1.38~1.45	≥1.45			



Size Available

F12-F1200, P12-P2500

0-1mm, 1-3mm, 6/10, 10/18, 200mesh, 325mesh

Other special specifications could be supplied on request.

Applications

1. Grinding non-ferrous materials, rock, stone, and leather, rubber, finishing tough and hard materials.
2. Bonded Abrasive tools, lapping and polishing.
3. Widely used as a metallurgical additive and refractory material.

Packing

1. 25kg woven bag, 40 woven bags/jumbo bag.
2. 25kg woven bag, 40 woven bags/pallet
3. 25kg paper bag, 40 paper bags/pallet
4. 25kg paper bag, 40 paper bags/paper box