

Green Silicon Carbide Grit

Material : Sic
True density:3.90 g/cm³
Melting point:2250℃
Usage:Polishing.Grinding and Sandblasting
Size:F12-F220
Shape:Granular grit
Certification:ISO9000
Hardness:2100~2200kg/mm³



Green silicon carbide powder is a very hard abrasive material with uniform particle size distribution. The hardness of it only ranks after diamond and B4C, and it is harder than black silicon carbide. So it is suitable to grinding large range of hard material such as titanium alloy, marble, carbide alloy, optical glasses, ceramics, etc.

On the other hand, green silicon carbide has extraordinary features such as high chemical stability, low thermal expansion rate, it is suitable for heat resistance & corrosion resistance coatings, paints, and other construction products.

Features

- ① high density,excellent chemical resistance
- ② low thermal expansion, high oxidation resistance
- ③ high strength, high temperature resistance
- ④ high thermal shock resistance
- ⑤ high wear and hardness resistance

Available Grit Sizes

Sandblasting grade	8# 10# 12# 14# 16#20# 22# 24# 30# 36# 40# 46# 54# 60# 70# 80# 90# 100# 120# 150# 180# 220#
Polishing grade	F230 F240 F280 F320 F360 F400 F500 F600 F800 F1000 F1200 F1500 F2000 240# 280# 320# 360# 400# 500# 600# 700# 800# 1000# 1200# 1500# 2000# 2500# 3000# 4000# 6000# 8000# 10000#
Note : we also can be customized according to customer requirements.	

Chemistry and Bulk Density

Chemical Analysis						Bulk Density: LPD=Loose Pack Density	
Grit No.	Min. % SiC	Max. % C	Max. %SiO ₂	Max. % Si	Max. % MI	Min.	Max.
8#	99.00	0.40	0.40	0.50	0.0200	1.35	1.43
10#	99.00	0.40	0.40	0.50	0.0200	1.35	1.44
12#	99.00	0.40	0.40	0.50	0.0200	1.41	1.49
14#	99.00	0.40	0.40	0.50	0.0200	1.42	1.50
16#	99.00	0.40	0.40	0.50	0.0200	1.43	1.51
20#	99.00	0.40	0.40	0.50	0.0200	1.44	1.52
22#	99.00	0.40	0.40	0.50	0.0200	1.44	1.52
24#	99.00	0.40	0.40	0.50	0.0200	1.45	1.53
30#	99.00	0.40	0.40	0.50	0.0200	1.45	1.53
36#	99.00	0.40	0.40	0.50	0.0200	1.46	1.54
40#	99.00	0.40	0.40	0.50	0.0200	1.47	1.55
46#	99.00	0.40	0.40	0.50	0.0200	1.47	1.55
54#	99.00	0.40	0.40	0.50	0.0200	1.46	1.54
60#	99.00	0.40	0.40	0.50	0.0200	1.46	1.54
70#	99.00	0.40	0.40	0.50	0.0200	1.45	1.53
80#	99.00	0.40	0.40	0.50	0.0200	1.44	1.52
90#	99.00	0.40	0.40	0.50	0.0200	1.44	1.51
100#	99.00	0.40	0.40	0.50	0.0200	1.42	1.50
120#	99.00	0.40	0.40	0.50	0.0200	1.40	1.48
150#	99.00	0.40	0.40	0.50	0.0200	1.38	1.46
180#	99.00	0.40	0.40	0.50	0.0200	1.38	1.46
220#	99.00	0.40	0.40	0.50	0.0200	1.36	1.44

Application

- ① Blasting, surface Treatment for glass, ceramic, etc.
- ② Ceramic products
- ③ Raw material of GC grinding wheel, sandpaper, abrasive cloth suitable for marble and granite.
- ④ Grinding hard alloy ,non-ferrous metal, plastic, etc.
- ⑤ Raw material of Whetstone, oilstone, grinding stone, abrasive stones and so on.