



## Green Silicon Carbide

Green silicon carbide is produced as the same type as the black silicon carbide, except the different raw materials. Its crystallization has higher purity and hardness. Green silicon carbide is suitable for processing hard alloy, metallic and non-metallic materials with hard and brittle feature such as copper, brass, aluminum, magnesium, jewel, optical glass, ceramics etc. Super micropowder of it is also a kind of ceramics material.

Purpose	Specification		Chemical Composition (%)			Magnetic material content(%)max
			SiC min	F.C max	Fe <sub>2</sub> O <sub>3</sub> max	
Abrasives grade	grain	12-80	99	0.20	0.2	0.0180
		90-150	98.5	0.25	0.5	0.0150
		180-220	97.5	0.25	0.7	0.0120
	micropowder	240-4000	96	0.30	0.8	—
Refractory grade	Group Size	0-1mm 1-3mm 3-5mm 5-8mm	99	0.35	0.7	—
	Fine Powder	-180mesh -200mesh -240mesh -320mesh	98	0.35	0.7	—
color		green				
Hardness(mohs)		9.15				
Melting point(°C)		2250				
Maximum service temperature(°C)		1900				
Ture density(g/cm3)		3.9				

Available Sizes	GRIT	JIS	#16 #20 #24 #30 #36 #46 #54 #60 #70 #80 #90 #100 #120 #150 #180 #220
		FEPA	F16 F20 F22 F24 F30 F36 F40 F46 F54 F60 F70 F80 F90 F100 F120 F150 F180 F220
	Powder	JIS	#240 #280 #320 #360 #400# #500 #600 #700 #800 #1000 #1200 #1500 #2000 #2500#3000 #4000 #6000
		FEPA	F230 F240 F280 F320 F360 F400 F500 F600 F800 F1000 F1200 F1500



## **Application**

1. It is suitable for grinding high-speed, high carbon steel
2. High-grade refractory materials
3. Abrasives tool
4. Grinding and polishing
5. Ceramics
6. LED
7. Sandblasting
8. Aviation
9. wire-electrode cutting
10. Photovoltaic and solar energy

## **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