

TECHNICAL DATA SHEET

PRODUCT: GREEN SILICON CARBIDE

SIZE:JIS240-8000

Green Silicon Carbide is produced in electrical internal resistance furnaces from silica sands and petroleum coke(added salt during smelting),with high hardness,thermal conductivity and strength.

AVERAGE CHEMICAL COMPOSITION(TYPICAL)

SiC	98.0-99.2%
C _F	≤0.20%
Fe ₂ O ₃	≤0.40%
SiO ₂	≤0.05%

PHYSICAL PROPERTIES(TYPICAL)

Density	≥3.18g/cm ³
Mohs Hardness	9.4
Melting Poing	2250°C
Refractoriness	1900°C

PARTICLE SIZE DISTRIBUTION

Size	DO(um)	D3(um)	D50(um)	D94(um)
#240	≤127	≤103	57.0±3.0	≥40
#280	≤112	≤87	48.0±3.0	≥33
#320	≤98	≤74	40.0±2.5	≥27
#360	≤86	≤66	35.0±2.0	≥23
#400	≤75	≤58	30.0±2.0	≥20
#500	≤63	≤50	25.0±2.0	≥16
#600	≤53	≤41	20.0±1.5	≥13
#700	≤45	≤37	17.0±1.5	≥11
#800	≤38	≤31	14.0±1.0	≥9.0
#1000	≤32	≤27	11.5±1.0	≥7.0
#1200	≤27	≤23	9.5±0.8	≥5.5
#1500	≤23	≤20	8.0±0.6	≥4.5
#2000	≤19	≤17	6.7±0.6	≥4.0
#2500	≤16	≤14	5.5±0.5	≥3.0
#3000	≤13	≤11	4.0±0.5	≥2.0
#4000	≤11	≤8.0	3.0±0.4	≥1.8
#6000	≤8.0	≤5.0	2.0±0.4	≥0.8
#8000	≤6.0	≤3.5	1.2±0.3	≥0.6

PACKAGING:25/20kgs PVC bags+1MT big bag

The shown values are typical characteristics of the material and shall not be used to prepare specifications. They are submitted to tolerances of the production and meet the present standard of technique. We reserve our right for changes within the scope of technical progress or internal improvement..