

REGULAR GREEN SILICON CARBIDE



DESCRIPTION

Green Silicon Carbide is a high-purity silicon carbide, which is a more friable crystal than Black Silicon Carbide. The mark of green silicon carbide is usually GC, the crystallization is α -SiC, with hexagonal or rhombohedral crystal type, containing SiC around 99%.

APPLICATIONS

GC18 grains are blocky, regular, neat particles, high bulk density, toughness, high durability. The bonded abrasives made of GC18 grains 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. it also be used as wiresawing semiconductor materials, lapping, pressure blasting, refractory materials, precision ceramics.

GRITS AVAILABLE: F6-F1000

Customized sizes available upon request

TYPICAL CHEMICAL ANALYSIS

SiC	F.C	Si+SiO ₂	Fe ₂ O ₃
99	0.3	0.7	0.1

TYPICAL PHYSICAL PROPERTIES

Mineral Composition	Alpha SiC	Color	Green
Mons' Hardness	≥9.3	Knoop Hardness	2400-2500
Melting Point	2500°C	Specific Gravity	≥3.20

TYPICAL BULK DENSITY

GRITS	BULK DENSITY	GRITS	BULK DENSITY
F12	1.45-1.54	F54	1.46-1.56
F14	1.45-1.54	F60	1.45-1.55
F16	1.45-1.54	F70	1.45-1.55
F20	1.45-1.54	F80	1.45-1.55
F22	1.45-1.54	F90	1.45-1.55
F24	1.46-1.56	F100	1.44-1.54
F30	1.46-1.56	F120	1.40-1.50
F36	1.47-1.57	F150	1.35-1.45
F40	1.47-1.57	F180	1.30-1.40
F46	1.47-1.57	F220	1.26-1.36