



Hongwu International Group Ltd

Specification:

size: less than 80 nm

purity:99%

silicon carbide feature:

- 1.High purity, narrow range particle size distribution, and larger specific surface area.
- 2.Chemical stability, high thermal conductivity, smaller thermal expansion coefficient and better abrasion resistance.
- 3.Micro hardness is 2840 ~ 3320kg/mm² and hardness is between corundum and diamond, mechanical strength is higher than the corundum.
- 4.SiC Nano powder possesses excellent thermal conductivity. It is a semiconductor and resistant to oxidation in high temperature.

sic application :

- 1.Apply to the high-grade refractory material and special use material for polishing abrasive.
- 2.Ceramic bearings, ceramic engine parts, grinding wheels, textile ceramics and high-frequency ceramics.
- 3.Hard disc and a support for multi chip modules; High-temperature and high-power semiconductors; High-temperature ceramic bearings; High-temperature fluid transport parts.
- 4.High hardness grinding materials; High-temperature sealing valves; High-temperature spray nozzles; Integrated circuit substrate is also the sic application.
- 5.Catalyst support; Mirror or coatings for extreme ultraviolet environment; Nanocomposites (e.g., Si₃N₄/SiC, SiC/polymer); Resistance heating elements.