

# CERAMIC MATERIAL FOR AlN and SiC

## HCAT

Silicon carbide plate is generally used in the ceramic industry, but silicon carbide products can also be used in the industrial industry.

The characteristics of silicon carbide refractory plate are because it is outstanding in all aspects, good wear and tear resistance and strong bearing capacity.

## Wafer-Level Aluminum Nitride Substrate

AlN is a material of high insulation and heat conductivity, with which it provides a solution to electrical leakage, circuit noise, and difficulty of heat dissipation frequently seen in the interposer. Hence, the material performs well especially on the highly powered, and microminiaturized products.

### Product Features:

- AlN has the outstanding thermal conductivity, and on thermal Expansion Coefficient that close to the various semiconductor substrate materials.
- Available for various applications such as substrates for heat dissipation, Package, thin-film circuit, power IC, power resistor, power modules (IGBT, MOSFET, and etc)



## The Characteristics of AlN and Material Competition Analysis

