

## Cordierite

### Features

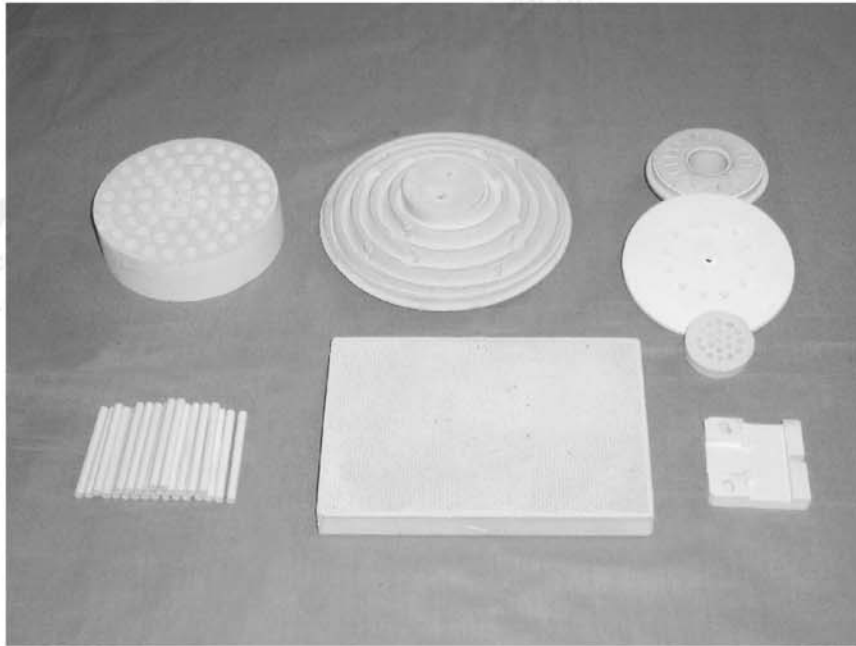
- Low Thermal Expansion Coefficient
- Low Dielectric Constant

### Applications

- Automobile Purifier
- Deodorization, Deoxidation and Smoke Extraction
- Infrared Radiator

### Characteristics of Material

Item	Unit	Value
Main Composition		$2\text{MgO} \cdot 2\text{Al}_2\text{O}_3 \cdot 5\text{SiO}_2$
Bulk Density	$\text{g/cm}^3$	2.2
Mohs Hardness		6.0
Compressive Strength	MPa	275
Tensile Strength	MPa	25
Bending Strength	MPa	65
Thermal Expansion Coefficient	$\times 10^{-6}/^\circ\text{C}$	2.2 (at 25~300°C)
Dielectric Constant (at 1MHz)		5.3



Parts of cordierite