

BASIC PROPERTIES

- Resists to high temperature
- Porous
- Good thermal shock resistance
- High refractivity

APPLICATIONS

Pipes for furnaces
 Heating element supports
 Hobs and hot plates

MATERIAL	C530 according to DIN VDE 0335	MULLITE C530
Alumina %		72 - 74 %
Aspect / color		White rough
Porosity		Porous
Mechanical	Measuring unit	
Young modulus	GPa	60
Flextural strength at 20°C (3 points)	MPa	45
Physical		
Max. use temperature in air	°C	1500
Opened porosity	%	27
Density	g/cm ³	2,4
Electrical		
Electrical resistivity 600°C	Ohm, m	106
Thermal		
Coefficient of thermal expansion from 20°C to 700°C	x10 ⁻⁶ K ⁻¹	5,3
Coefficient of thermal expansion from 20°C to 1000°C	x10 ⁻⁶ K ⁻¹	5,7
Thermal conductivity 200°C	W/m-1 K-1	1,4
Thermal conductivity 20°C	W/m.°K	2
Thermal choc resistance	°C	excellent
Max. use temperature with load	°C	1350

*These values are for informational purposes only and do not bind company's responsibility.