



BASIC PROPERTIES

- High temperature resistance
- Gaz tight
- High refractoriness
- Good electrical isolation
- Application temperature up to 1400°C
- Good chemical resistance against fluorine-free gases
- For kiln operating under normal conditions
- Good thermal shock resistance and good mechanical strength
- Economical material, used for protection sheaths and insulator for temperature measurement

CHEMICAL COMPOSITION

Alumina 62,6%
Silicon : 35,15%
Iron Oxide : 0,82%
Titanium Oxide : 0,39%
Calcium Oxide : 0,18%



MATERIAL	C610 according to DIN VDE 0335	MULLITE C610	Diam. (in mm)	Long. (in mm)
Alumina %		62,2 %	6	1000
Aspect / color		White smooth	8	1000
Porosity		Impervious	12	1000
Mechanical	Measuring unit		16	1000
Hardness	mohs	6	25	300
Young modulus	GPa	100	30	300
Flextural strength at 20°C (3 points)	MPa	120	35	300
Physical			40	300
Max. use temperature in air	°C	1600	45	300
Opened porosity	%	0	50	300
Density	g/cm ³	2,7	55	300
Electrical			60	300
Electrical resistivity 600°C	Ohm, m	17	65	300
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	good		
Max. use temperature with load	°C	1400		

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