

**BASIC PROPERTIES**

- Resists to high temperature
- Impervious to gazes
- High refractivity
- Good electrical insulator

**APPLICATIONS**

Pyrometric ducts  
 Pipes for furnaces  
 Current path insulators

MATERIAL	C610 according to DIN VDE 0335	MULLITE C610
Alumina %		62,2 %
Aspect / color		White smooth
Porosity		Impervious
<b>Mechanical</b>	<b>Measuring unit</b>	
Hardness	mohs	6
Young modulus	GPa	100
Flextural strength at 20°C (3 points)	MPa	120
<b>Physical</b>		
Max. use temperature in air	°C	1600
Opened porosity	%	0
Density	g/cm <sup>3</sup>	2,7
<b>Electrical</b>		
Electrical resistivity 600°C	Ohm, m	17
<b>Thermal</b>		
Coefficient of thermal expansion from 20°C to 700°C	x10 <sup>-6</sup> K <sup>-1</sup>	5,3
Coefficient of thermal expansion from 20°C to 1000°C	x10 <sup>-6</sup> K <sup>-1</sup>	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.*