

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 measur

CHEMICAL COMPOSITION

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

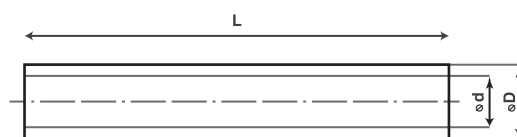
MATERIAL	C610 according to DIN VDE 0335	MULLITE C610
Alumina %		62,2 %
Aspect / color		White smooth
Porosity		Impervious
Mechanical	Measuring unit	
Hardness	mohs	6
Young modulus	GPa	100
Flextural strength at 20°C (3 points)	MPa	120
Physical		
Max. use temperature in air	°C	1600
Opened porosity	%	0
Density	g/cm ³	2,7
Electrical		
Electrical resistivity 600°C	Ohm, m	17
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.*

Outer Diam. (in mm)	Inner diam. (in mm)	Outer Diam. (in mm)	Inner diam. (in mm)
1,5	0,8	28	23
2	1	30	23
3	1,5	30	25
3	2	31	25
4	2	32	26
5	3	33	28
6	4	35	27
7	4	36	30
8	5	38	30
9	6	40	32
10	6	43	37
10	7	45	35
11	7	46	40
12	8	48	40
14	10	50	40
15	10	50	42
15	11	54	46
16	12	60	50
17	13	66	56
18	14	70	60
20	15	75	65
22	15	77	67
22	17	80	70
22	18	90	76
24	18	95	80
24	19	100	85
26	20	105	90
28	20	110	95
28	22	115	100
		120	105

SCERAM stocks significant quantities of tubes, allowing great responsiveness and quick delivery.

- Standard length on stock: 1000 to 1500 mm (Longer tubes on demand: up to 4000 mm, depending on outer diameter)
- Dimensions not included in the table can be custom made upon request.
- General tolerances are in compliance with DIN 40680 norm.



SCERAM provides tubes machining services :

- Cutting to requested length
- Hole drilling
- Outer and inner diameter extremities threading
- Extremities outer and inner diameter grinding
- Half tube longitudinal cutting (on limited length)
- Flanges cementing (with refractory cement)
- Customized tolerances upon request