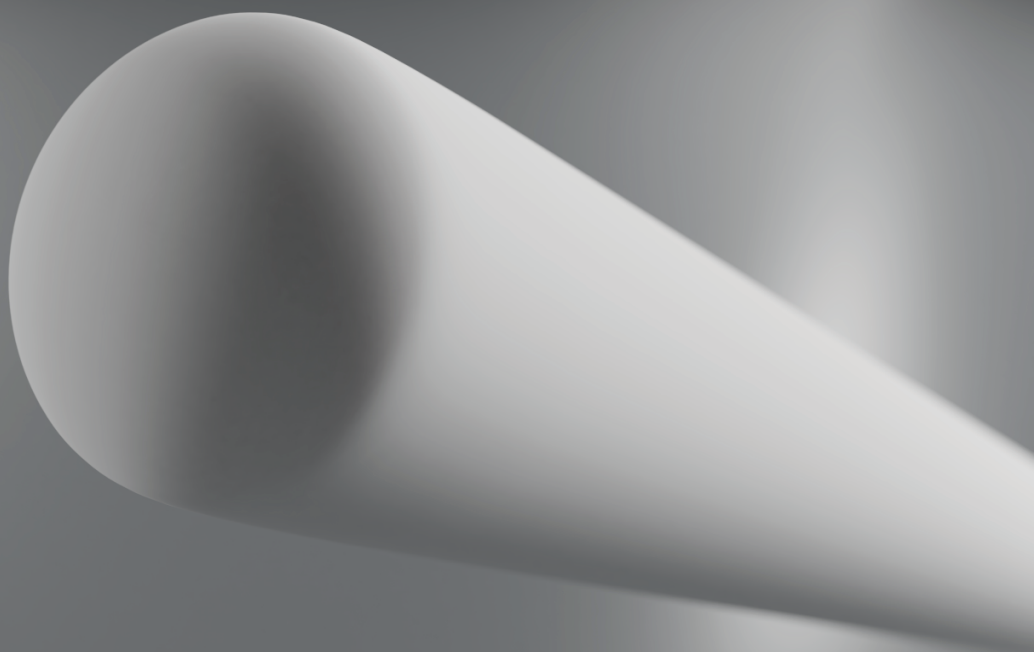




BASIC PROPERTIES

- 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

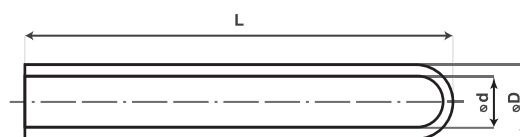
**These values are for informational purposes only and do not bind company's responsibility.*

Outer Diam. (in mm)	Inner diam. (in mm)
1,5	0,8
2	1
3	2
4	2
5	3
6	4
7	4
8	5
9	6
10	7
11	7
12	8
14	10
15	11
16	12
17	13
18	14
19	15
20	15
22	15
22	18
24	19
26	20
28	20
28	23

Outer Diam. (in mm)	Inner diam. (in mm)
30	23
30	25
32	26
33	28
36	30
38	30
40	32
43	37
46	40
48	40
50	40
50	42
54	46
60	50
66	56
70	60
75	65
77	67
80	70
90	76
95	80
105	90
115	100

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