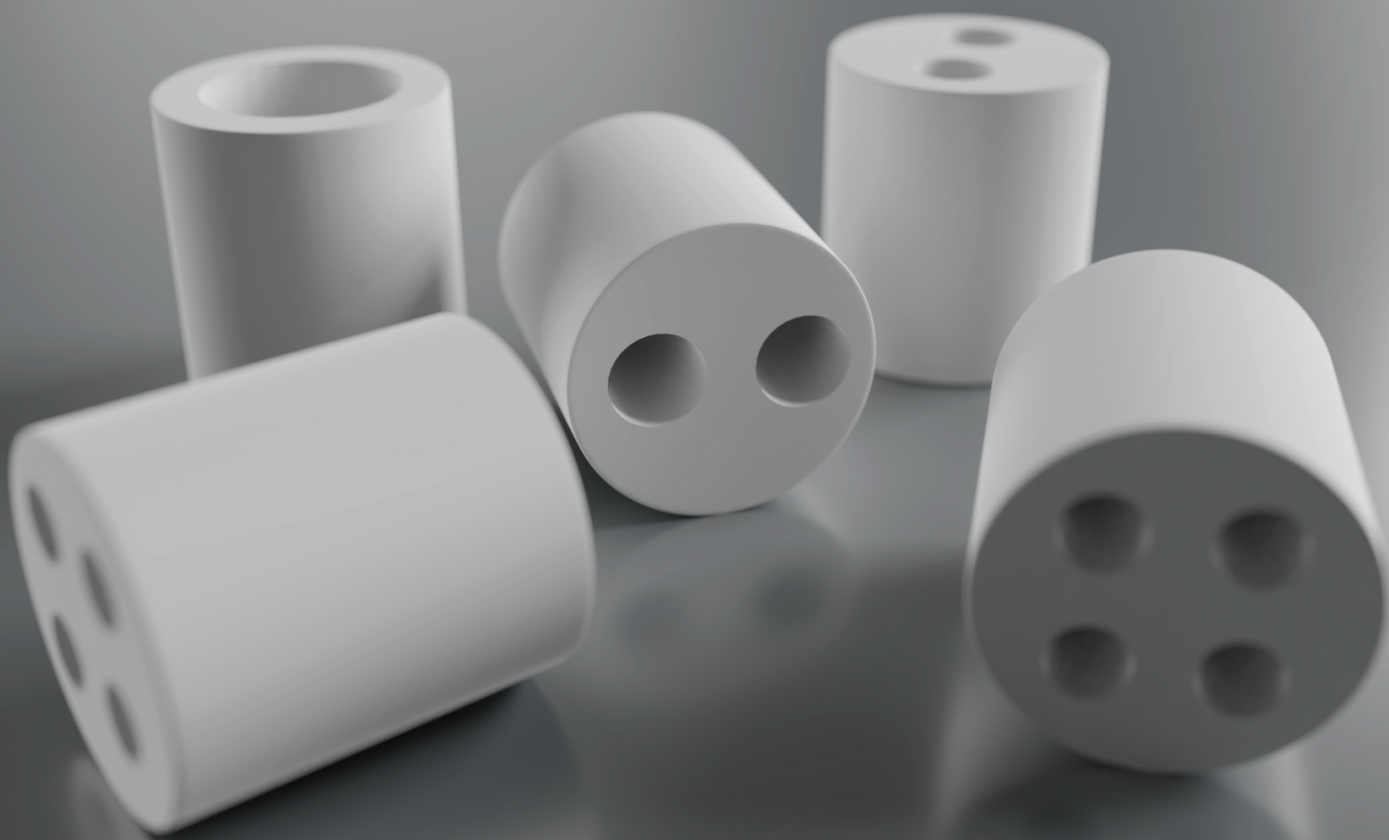




BASIC PROPERTIES

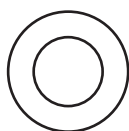
- High temperature resistance
- Gaz tight
- High refractoriness
- Good electrical isolation
- Application temperature up to 1400°C
- Good chemical resistance against fluorine-free gases
- For kiln operating under normal conditions
- Good thermal shock resistance and good mechanical strength
- Economical 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%

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.



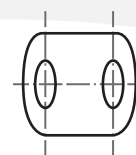
1 BORE TUBE



2 BORES TUBE



4 BORES TUBE



2 BORES OVAL TUBE

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

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/cm3	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.*

1 BORE TUBE

D (in mm)	d (in mm)	L (in mm)
1	0,5	50
1,5	0,8	25
1,5	0,8	50
2	1	25
2	1	50
2,7	1,7	5
2,7	1,7	10
2,7	1,7	25
2,7	1,7	50
3	1,2	5
3	1,2	10
3	1,2	25
3	1,2	50
3,5	2,5	5
3,5	2,5	10
3,5	2,5	25
3,5	2,5	50
4	2	5
4	2	10
4	2	25
4	2	50
5	3	5
5	3	10
5	3	25
5	3	50
6	4	5
6	4	10
6	4	25
6	4	50

1 BORE TUBE

D (in mm)	d (in mm)	L (in mm)
7	4,5	5
7	4,5	10
7	4,5	25
7	4,5	50

2 BORES TUBE

D (in mm)	Bores diam. (in mm)	L (in mm)
2,2	0,5	50
3	0,8	25
3	0,8	50
4	1	5
4	1	10
4	1	25
4	1	50
4,5	1	5
4,5	1	10
4,5	1	25
4,5	1	50
6	1,8	5
6	1,8	10
6	1,8	25
6	1,8	50
8	2	25
8	2	50
8,5	2,5	25
8,5	2,5	50
10	2,7	25
10	2,7	50

4 BORES TUBE

D (in mm)	Bores diam. (in mm)	L (in mm)
4,5	1	5
4,5	1	10
4,5	1	25
4,5	1	50
5,5	1,2	5
5,5	1,2	10
5,5	1,2	25
5,5	1,2	50
8,5	1,5	25
8,5	1,5	50
9	2,5	25
9	2,5	50

2 BORES OVAL TUBE

Outer Diam. (in mm)	Outer Diam.' (in mm)	Bores diam. (in mm)
3	2	0,8
3	2	0,8
5	3	4
5	3	4
7,5	4,5	2,3
7,5	4,5	2,3
12	8	4
12	8	4