

Alumina insulated tube



chemical composition and physical properties

	95series	99series	995series
Al ₂ O ₃ (%)	≥95	≥99	≥99.5
SiO ₂ (%)	<0.3	<0.2	<0.04
Fe ₂ O ₃ (%)	<0.1	<0.1	<0.05
Alkaline substances (%)	<0.1	<0.1	<0.08
Density (g/cm ³)	3.7	3.87	3.89
Hardness (M0hs)	8.8	9	9
Expansion coefficient (10 ⁻⁶ K ⁻¹)	8.5	8.1	7.6
Dielectric strength (KV/mm)	18	20	22
Maximum service temperature (°C)	1650	1800	1850
Color	pink ,white	white,ivory	ivory

standard dimension

Ceramic tubes can be in single hole , double ,three and four-holes.

The size of the ceramic tube's outer diameter range from 0.8mm – 14mm.

The ceramic tubes can be supplied in longer lengths (up to 2500mm long). We can also custom cut shorter lengths to your specifications.

The ceramic tubes can be triangular tube, square tube, other types, etc.

Alumina ceramic tubes are widely used in various industrial furnace for supporting, threading and insulation etc.They are recommended for use in mass spectrometers and other vacuum systems as feed through lines, thermocouple insulators, and in other applications requiring electrical and thermal insulators.

With good thermostability , insulation , temperature resistance etc. properties , Alumina insulation tubes are used in B-type , S-type and new type tungsten-rhenium thermocouple sleeves .

氧化铝绝缘管



产品技术指标

	95series	99series	995series
Al ₂ O ₃ (%)	≥95	≥99	≥99.5
SiO ₂ (%)	<0.3	<0.2	<0.04
Fe ₂ O ₃ (%)	<0.1	<0.1	<0.05
碱性物质 (%)	<0.1	<0.1	<0.08
密度 (g/cm ³)	3.7	3.87	3.89
硬度 (Mohs)	8.8	9	9
膨胀系数 (10 ⁻⁶ K ⁻¹)	8.5	8.1	7.6
介电强度 (KV/mm)	18	20	22
最高使用温度 (°C)	1650	1800	1850
颜色	粉红、白色	白色、象牙黄	象牙黄

产品尺寸

挤制成型的氧化铝陶瓷管包括单孔,双孔,多孔等。
陶瓷管的外径可以做到0.8毫米至14毫米。
陶瓷管的长度可以达到2.5米,也可根据要求切割出客户所需的长度尺寸。
另外,也可根据客户需求定做如三角管,方形管等其他类型陶瓷管。

挤制成型的氧化铝陶瓷管广泛应用于各种工业炉作为支持、线程、绝缘等。用于质谱仪和其他真空系统馈通线以及其他电气和热绝缘体。挤制成型的氧化铝陶瓷管具有耐高温、绝缘、高温稳定性好等特点,大量应用于B型、S型及新式钨铼型热电偶的套丝管。