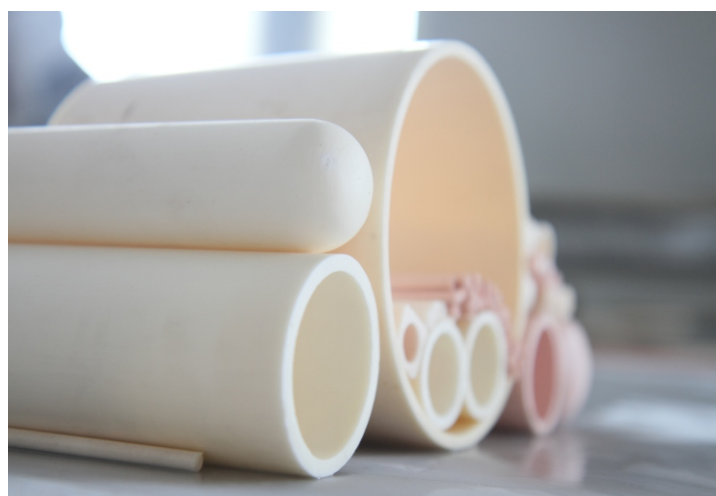


# Alumina Ceramic Tube (Slip Casting)



## chemical composition and physical properties

|   | 95series    | 99series    | 995series |
|---|-------------|-------------|-----------|
| Al <sub>2</sub> O <sub>3</sub> (%)                        | ≥95         | ≥99         | ≥99.5     |
| SiO <sub>2</sub> (%)                                      | <0.3        | <0.2        | <0.04     |
| Fe <sub>2</sub> O <sub>3</sub> (%)                        | <0.1        | <0.1        | <0.05     |
| Alkaline substances (%)                                   | <0.1        | <0.1        | <0.08     |
| Density (g/cm <sup>3</sup> )                              | 3.7         | 3.87        | 3.89      |
| Hardness (MOhs)   | 8.8         | 9           | 9         |
| Expansion coefficient (10 <sup>-6</sup> K <sup>-1</sup> ) | 8.5         | 8.1         | 7.6       |
| Operating temperature in short time (°C)                  | 1650        | 1800        | 1850      |
| Operating temperature in long time (°C)                   | 1530        | 1650        | 1680      |
| Color   | pink ,white | white,ivory | ivory     |

## standard dimension (mm)

|                |       |       |       |       |       |
|----------------|-------|-------|-------|-------|-------|
| Outer diameter | 6     | 8     | 10    | 12    | 16    |
| Length         | 1000  | 1500  | 2000  | 2000  | 2500  |
| Outer diameter | 20    | 25    | 30-35 | 40-45 | 50-55 |
| Length         | 2500  | 2500  | 2000  | 2000  | 2000  |
| Outer diameter | 60-65 | 70-75 | 80-85 | 90-95 | 100   |
| Length         | 2000  | 2000  | 2000  | 2000  | 1700  |

The tubes of the above sizes , we have available stocks. We can also custom cut shorter lengths to your specifications. Other sizes available on request.

### Typical Uses:

Noble metal thermocouple protection, furnace tubes, high temperature vacuum furnaces, heat treating furnace rollers, radiant tubes, laser tubes, corona treater tubes and ozone generators

Corrosive environments and electrical insulation applications. Noble metal thermocouples and diffusion furnace profile couples.

Solutions for the pharmaceutical, food and cosmetic industries with a focus on filling, dosing and control applications.

# 氧化铝陶瓷管 (注浆成型工艺)



## 产品技术指标

|  | 95series | 99series | 995series |
|--|----------|----------|-----------|
| Al <sub>2</sub> O <sub>3</sub> (%)       | ≥95      | ≥99      | ≥99.5     |
| SiO <sub>2</sub> (%)                     | <0.3     | <0.2     | <0.04     |
| Fe <sub>2</sub> O <sub>3</sub> (%)       | <0.1     | <0.1     | <0.05     |
| 碱性物质 (%)                                 | <0.1     | <0.1     | <0.08     |
| 密度 (g/cm <sup>3</sup> )                  | 3.7      | 3.87     | 3.89      |
| 硬度 (MOhs)                                | 8.8      | 9        | 9         |
| 膨胀系数 (10 <sup>-6</sup> K <sup>-1</sup> ) | 8.5      | 8.1      | 7.6       |
| 短时使用温度 (°C)                              | 1650     | 1800     | 1850      |
| 长时使用温度 (°C)                              | 1530     | 1650     | 1680      |
| 颜色                                       | 粉红、白色    | 白色、象牙黄   | 象牙黄       |

## 产品尺寸(mm)

|    |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|
| 外径 | 6     | 8     | 10    | 12    | 16    |
| 长度 | 1000  | 1500  | 2000  | 2000  | 2500  |
| 外径 | 20    | 25    | 30-35 | 40-45 | 50-55 |
| 长度 | 2500  | 2500  | 2000  | 2000  | 2000  |
| 外径 | 60-65 | 70-75 | 80-85 | 90-95 | 100   |
| 长度 | 2000  | 2000  | 2000  | 2000  | 1700  |

以上尺寸，常年库存现货，可按照要求切割长度。也可按照客户要求订制其他尺寸。

氧化铝陶瓷通管具有耐高温、耐腐蚀、气密性好、急冷急热性能好等特点，可广泛应用于各种工业炉领域，做炉管、支撑、穿线、绕线、绝缘等用途。