

# Alumina Ceramic Tube (Isostatic Processing)



## 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	3.89	3.91
Hardness (MOhs)	8.8	9	9
Expansion coefficient (10 <sup>-6</sup> K <sup>-1</sup> )	8.5	8.1	7.6
Rate of water absorption (%)	<0.01	<0.01	<0.01
Compressive strength (Mpa)	2000	3000	3800
Color	white	white, ivory	ivory

## standard dimension (mm)

Alumina ceramic tubes (Isostatic Processing) can be supplied in longer lengths (up to 1250mm long). We can also custom cut shorter lengths to your specifications.

The tube's outer diameter range from 10mm – 800mm.

Ceramic tube is widely used in industry of mining , power , metallurgical , coal, chemical and so on . It works as lining in pipe for transport of power material and corrosive material , such as sand , ash , slag. In some special parts where wear plates can not service well, ceramic tube is a perfect substitute, it enjoys high reputation of solving the wear plate dropping problem.

Ceramic tube made of 95% alumina is used as lining of hydraulic cyclone for paper-making and mineral separation. And most of the textile ceramic components are made of 95% alumina.

Most of the ceramic spools , structural ceramic components and ceramics for military application are made of 99% alumina.

# 氧化铝陶瓷管(等静压成型)



## 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	3.89	3.91
硬度 (M0hs)	8.8	9	9
膨胀系数 (10 <sup>-6</sup> K <sup>-1</sup> )	8.5	8.1	7.6
吸水率 (%)	<0.01	<0.01	<0.01
抗压强度(Mpa)	2000	3000	3800
颜色	白色	白色、象牙黄	象牙黄

## 产品尺寸(mm)

等静压成型的氧化铝陶瓷管长度最长可以达到1250mm，也可以根据客户要求制作相应长度。

等静压氧化铝陶瓷管的外径可从10mm至800mm。

根据客户要求我们也可以制作三角、四方、六边等异型等静压成型氧化铝陶瓷管。

等静压成型的大口径氧化铝陶瓷管广泛应用于矿山、电力、冶金、煤炭、化工等行业，作为输送砂石、灰粉、灰渣等磨削性颗粒材料和腐蚀性介质的管道中，特别是一些特殊部位，起到相当好的使用效果，它解决了衬板衬片局部脱落的难题。