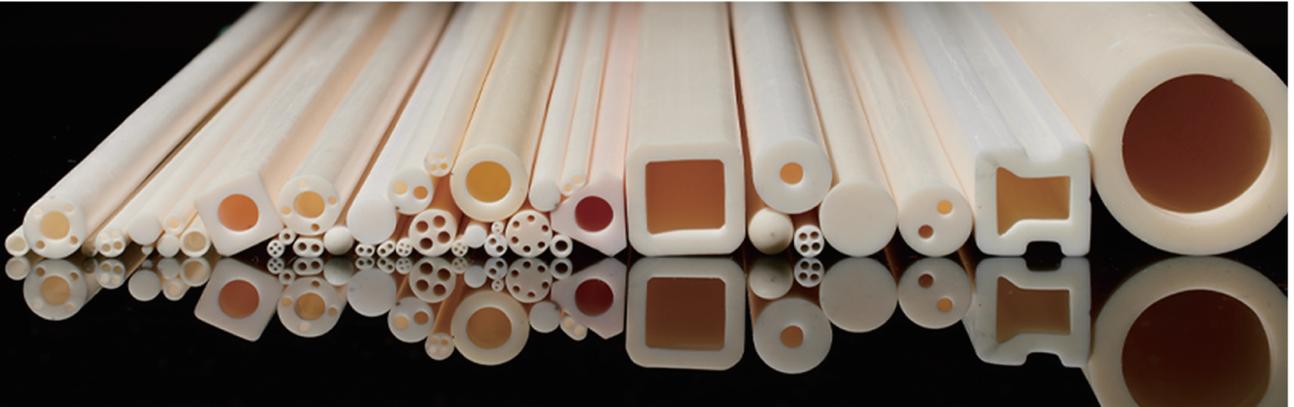


TREND[®] 詮道





詮道科技是一家专注于生产无机非金属材料的制造商，秉承多年的制造经验。我们专注于生产高纯氧化铝陶瓷制品，广泛应用于半导体、仪器仪表、风电、光电、核电等行业。BTT-99.7采用国际领先的制程工艺，确保高纯氧化铝陶瓷的纯度超过99.7%，具备优异的耐高温、抗腐蚀、绝缘等性能。

我们公司拥有库存优势，能够在极短的时间内交付产品。我们采用先进的生产工艺和独特配方，使得我们的产品能够与国际一流水平媲美。

We, **Trend** Technology, have devoted over two decades to manufacturing inorganic non-metallic materials. Our expertise lies in the production of high-purity alumina ceramic products, serving a diverse range of industries including semiconductor, instrumentation, wind power, opto-electronics, and nuclear power. Our flagship product, BTT-99.7, exemplifies our commitment to excellence, utilizing advanced technology to achieve purity exceeding 99.7%. This results in exceptional properties such as high temperature resistance, corrosion resistance, and wear resistance.

Our adequate stock ensures expedited delivery times, enabling us to meet the demands of fast-paced business environments. With advanced production techniques and proprietary formulations, we consistently adhere to the most stringent customer standards while delivering optimal performance tailored to their specific requirements.

OUR MISSION

在追求全体员工物质和精神两方面幸福的同时，提供让客户感动的产品和服务，为人类社会进步发展做出贡献。

To pursue the happiness of all employees both materially and spiritually,
we deliver inspiring products and services to customers,
thereby contributing to the progress and development of human society.

OUR VISION

成为新材料细分领域的引领者，成就百年幸福企业。

We aspire to be the global leader in the specialized segment of new materials
and to evolve into a century-old enterprise dedicated to happiness.

OUR VALUES

客户至上，诚信正直，内求利他，艰苦奋斗，开放创新。

Customer First , Honesty and Integrity , Introspection and Altruism
Diligence and Perseverance , Opening-up and Innovation

PROCESS

混料 Blinder Mixing

真空炼泥 Vaccum Mixing

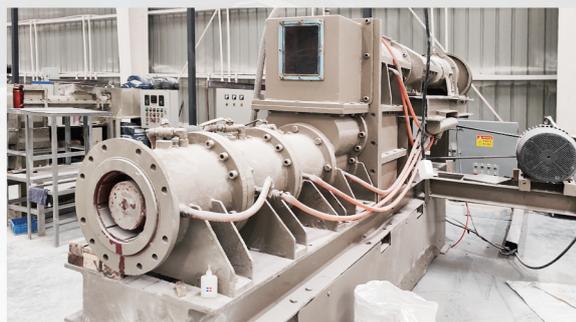
挤出成型 Extrusion Molding

干燥 Drying

素烧/脱胶 Degreasing

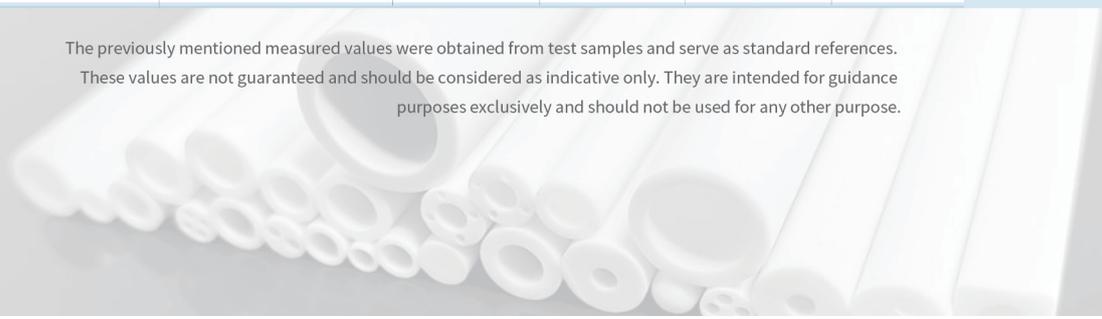
烧成 Firing

磨削加工 Cutting/polishing/grinding



Item	Unit	BTT-60	BTT-95	BTT-99	BTT-99.7
EN-DIN 60672-3 classification		C610	C795	C799	C799
DIN分类					
Color		white	white	ivory	ivory
颜色		白	白	象牙黄	象牙白
Al ₂ O ₃ Content	%	>58	>95	>99	≥99.7
氧化铝纯度					
Density	g/cm ³	2.7	3.7	3.88	3.92
密度					
Water Absorption	%	0	0	0	0
吸水率					
HM Hardness	Mohs	8	9	9	9
莫氏强度					
Flexural Strength @20 °C	Mpa	120	330	360	380
抗弯强度					
Compressive Strength @20 °C	Mpa	550	2100	2600	2950
抗压强度					
Elastic Modulus	Gpa	100	320	360	375
弹性模量					
Thermal Expansion	·10 ⁻⁶ /°C	6	6-8	7-8	7-8
热膨胀系数					
Thermal Conductivity	W/m·K	4	24	29	33
导热系数					
Maximum Working Temperature	°C	1400	1450	1750	1800
最高工作温度					
Resistance to Thermal Shock	°C	150	140	150	150
耐热冲击					
Dielectric Breakdown Strength	KV/mm	17	14	15	18
绝缘耐力					
Dielectric Constant @25 °C	-	6	8.5	9.9	9.9
绝缘系数					
Dissipation Factor	(10 ⁻⁴)	N/A	5	5	2
绝缘损失系数					
Corrosion Resistance					
抗腐蚀性					
HNO ₃	WT Loss mg/cm ² /D	N/A	0.07	-	-
硝酸					
H ₂ SO ₄	WT Loss mg/cm ² /D	N/A	0.25	-	-
硫酸					
NaOH	WT Loss mg/cm ² /D	N/A	0.05	-	-
氢氧化钠					

The previously mentioned measured values were obtained from test samples and serve as standard references. These values are not guaranteed and should be considered as indicative only. They are intended for guidance purposes exclusively and should not be used for any other purpose.



尺寸规格表 Dimension

Outer x Inner Φ (mm)	
0.8 x 0.3	20 x 10
1.0 x 0.5	20 x 15
2.0 x 1.0	24 x 12
3.0 x 2.0	24 x 18
4.0 x 2.0	25 x 10
4.0 x 3.0	25 x 15
5.0 x 3.0	25 x 19
6.0 x 4.0	26 x 16
8.0 x 5.0	26 x 20
9.6 x 6.4	30 x 22
10 x 6.0	32 x 24
12 x 8.0	35 x 26
15 x 6.0	40 x 30
15 x 9.0	50 x 40
15 x 10	60 x 50
15 x 11	70 x 60
16 x 10	80 x 70
16 x 12	90 x 78
17 x 11	100 x 88
17 x 13	115 x 100
18 x 13	120 x 100

*both ends open
*one end closed



different shapes of closed end



Outer x Inner Φ (mm)	
1.2 x 0.3	
1.5 x 0.4	
2.0 x 0.5	
2.5 x 0.7	
3.0 x 1.0	
3.2 x 1.1	
3.7 x 1.2	
3.9 x 1.2	
4.0 x 1.2	
4.5 x 1.2	
5.0 x 1.8	
5.5 x 2.0	
6.0 x 0.7	
6.0 x 1.8	
6.5 x 2.0	
8.0 x 2.2	
10 x 2.3	
10 x 3.0	

Diameter Φ (mm)	
0.8	8.0
1.0	8.5
1.2	10
1.5	10.5
2.0	11
2.5	12
3.0	15
3.2	16
3.5	17
3.7	18
4.0	20
4.5	22
5.0	24
5.5	25
6.0	26
6.5	

Outer x Inner Φ (mm)	
1.2 x 0.2	
1.5 x 0.3	
2.0 x 0.5	
2.5 x 0.6	
3.0 x 1.0	
3.2 x 1.0	
3.5 x 1.0	
3.7 x 1.0	
3.9 x 1.2	
4.0 x 1.2	
4.5 x 1.2	
5.0 x 1.5	
5.5 x 1.8	
6.0 x 0.7	
6.0 x 1.8	
6.5 x 2.0	
8.0 x 2.2	
8.5 x 2.2	
10 x 2.5	

Outer x Inner Φ (mm)	
15 x 10	
16 x 10	

Outer x Inner Φ (mm)	
5.0 x 2.4/0.75	
8.0 x 4.0/0.80	
8.5 x 4.0/0.80	

Outer x Inner Φ (mm)	
2.5/1.5 x 0.8	
2.4/1.6 x 0.6	
3.7/2.4 x 1.0	

Outer x Inner Φ (mm)	
△10 x 5.0	

Outer x Inner Φ (mm)	
4.5 x 0.8	
6.0 x 1.2	
8.0 x 1.2	

Outer x Inner Φ (mm)	
□9.0 x 5.0	

Outer x Inner Φ (mm)	
15 x 10	
16 x 10	



Length:
 Φ ≤ 2mm, max. length = 1250 mm
 Φ < 3mm, max. length = 1550 mm
 Φ ≥ 3mm, max. length = 3550 mm

The tables list a small selection of typical dimensions of Alumina tubes.
 Further dimensions upon request.



TREND[®] 詮道

北京詮道科技有限公司

BEIJING TREND TECHNOLOGY CO.,LTD

山东詮道科技有限公司

SHANDONG TREND TECHNOLOGY CO.,LTD

