



Zibo Ning Thai Ceramic Co.,Ltd



Company Introduction

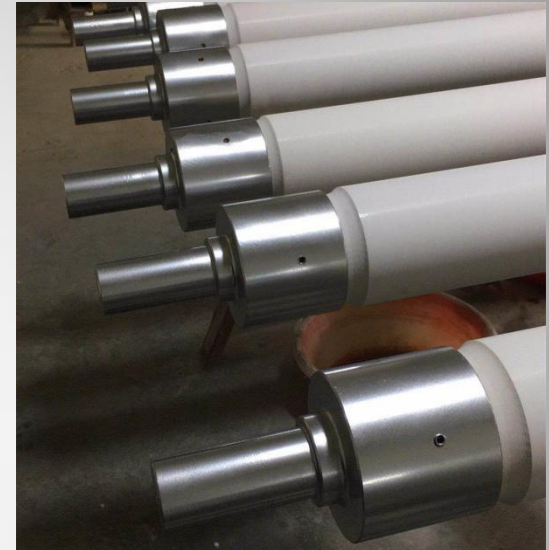
Zibo Ning Thai Ceramic Co., Ltd is located in Zibo City, Shandong province of China which has been specialized in advanced ceramics since it was founded in 2010. We always focus on the technology and the products of fused silica roller for glass tempering furnace, fused silica tweels and flat arches for float glass production line, high temperature alumina ceramic roller, high temperature corundum tube, ceramic fiber board, alumina ball for ball mill grinding media, silicon carbide board and ceramic bearing, etc.

In the new international circumstance, we devote to accelerate expanding the market of overseas. Currently, we have built the business relationships with the customers of Kuwait, Lebanon, UAE, India, Poland, France and so on. Ning Thai Ceramic is specialized in glass field, iron industry, miner, electric power, fossil oil and chemical industry. We can supply the effective solution of fine ceramic field with high quality products and good service to meet the requirements of customers.

Fused Silica Roller for Glass Tempering Furnace



Fused silica rolls for horizontal glass tempering furnaces are key components of glass horizontal tempering furnaces for glass support and transportation. It's better to increase the productivity and quality in good condition of installation, using and maintenance. Premium quality tempered glass requires premium quality rollers. We can supply good quantity fused silica roller according to customers' furnaces requirements.



Advantages:

- Excellent thermal shock resistance
- Can be replaced at high temperature without pre-heating
- Excellent corrosion resistance
- No pollution to glass melt
- High strength
- Smooth and fine surface, little T.I.R. and high processing precision assures no harm to the glass surface.
- Special design and assembly to resolve the problem of end-caps losing absolutely.
- Long service life

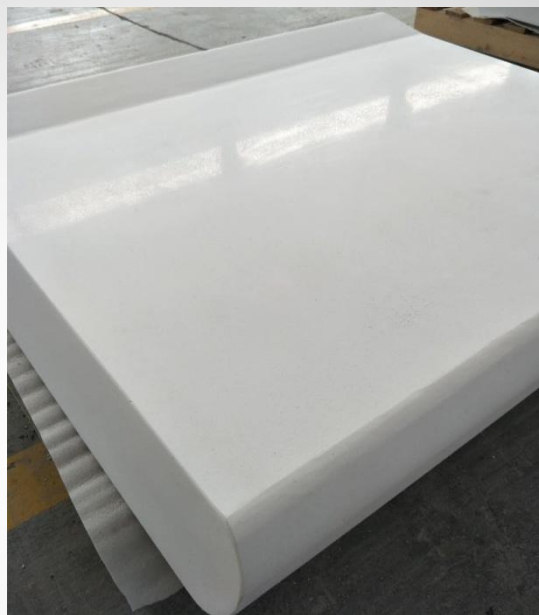
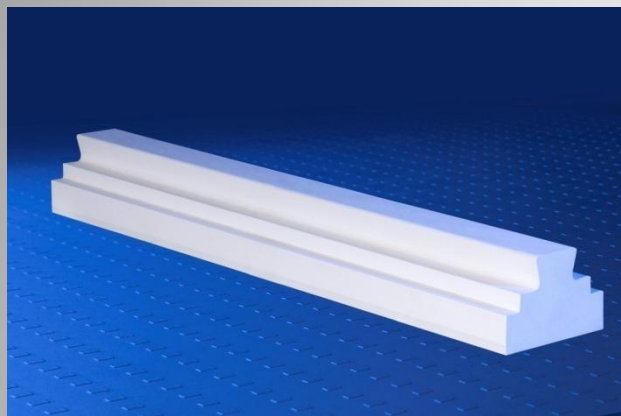


Technical Specification of Fused Silica Roller

| Spec. | Unit | Content |
|-----------------------------------|-----------------------|-----------|
| SiO ₂ | Wt% | ≥99.5% |
| Bulk Density | g/cm ³ | 1.90-1.99 |
| Apparent Porosity | % | 7--11 |
| Compressive Strength | MPa | ≥60 |
| Bending Strength | MPa | ≥25 |
| High Temperature Bending Strength | MPa | ≥30 |
| Thermal Expansion | ×10 ⁻⁶ /°C | ≤0.6 |
| Thermal Conductivity | w/m. °C | 0.65 |
| Cristobalite | % | ≤2 |
| Surface Roughness | u m | Ra≤2.0 |
| Diameter Tolerance | mm | ±0.05 |
| Circular Runout (T.I.R.) | mm | ≤0.10 |



Fused Silica Tweels and Flat Arches



Fused silica tweels and flat arches are used in float glass production line gate flow channel. We can supply tweels and flat arches according to customers' technical requests.

Advantages:

- Produced according to the drawing and technical requirements of customers.
- High density, high strength and no bubbles
- Excellent thermal shock resistance
- Excellent erosion of molten glass
- High refractoriness
- Well-distributed micropore, good homogeneity.
- Long service life.



Properties of Tweels and Flat Arches



| Spec. | Unit | Content |
|----------------------|-----------------------|---------|
| SiO ₂ | Wt% | ≥99.5% |
| Bulk Density | g/cm ³ | 1.8—1.9 |
| Apparent Porosity | % | 14--17 |
| Compressive Strength | MPa | ≥60 |
| Thermal Expansion | ×10 ⁻⁶ /°C | ≤0.6 |
| Thermal Conductivity | w/m. °C | 0.65 |
| Refractoriness | °C | 1650 |

Fused Silica Hollow Roller



Fused silica hollow rollers are used in silicon steel annealing furnaces as bottom rollers, replacing traditional graphite carbon housing and ceramic coating rollers to solve the problems of surface oxidation, nodulation, etc. It can avoid frequent replacement of rollers, promoting production efficiency and steel sheet surface quality.



- Advantages:
- High density
 - High strength
 - No bubbles
 - Produced according to the drawing and customers furnaces requirements

Alumina Ceramic Roller



| Item | Unit | Technical Data |
|--------------------------------|----------------------|----------------|
| AL ₂ O ₃ | % | 78--80 |
| Water Absorption | % | 5--7 |
| Bending Strength | Mpa | 60--70 |
| Bulk Density | g/cm ³ | 2.7--2.9 |
| Thermal Expansion | 10 ⁻⁶ /°C | 6.1--6.6 |
| Thermal Shock Resistance | ---- | Excellent |
| Max Service Temperature | °C | 1350 |



Ceramic Fiber Board & Blanket

Ceramic fiber board is specially produced by ceramic fiber cotton with the vacuum shaping process. It is the better heat resistance performance inside and outside of furnace and is suitable for back lining and fire touch surface of different furnace. It is a high-strength fiber board which is produced by specific fire-resisting additive.



Alumina Ceramic Ball

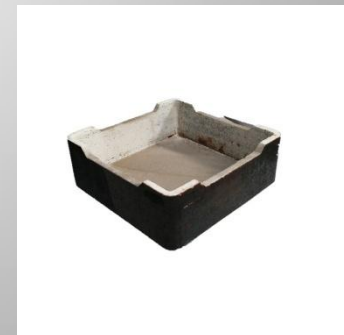


- Alumina balls are made of high quality material with isostatic pressing technology and calcined with high temperature. Alumina balls are used in ceramic, porcelain glaze, glass, chemical industry, etc. They are the grinding medium for ball mill, pot mill, vibration mill and other fine powder grinding equipment, etc.
- **Features:**
- Made of good quality and high temperature alumina powder.
- High purity and high intensity.
- High hardness and less wear abrasion
- No harmful to the grinded materials.
- Processed with isostatic technology with high density.
- High temperature resistance, acid and alkali resistance and corrosion resistance.
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Silicon Carbide Products

- High temperature silicon carbide board is mainly used in ceramic kiln and furnace as kiln furniture to support the ceramic products in the sintering processing. With the features of no deformation for long term usage, no cracks, no slag, no color pollution to the high grade sanitary and ceramic products. High temperature silicon carbide board and products are widely used in sintering of industrial ceramics, porcelain, artistic porcelain, high-grade sanitary ceramics, magnetic materials, electronic ceramics, etc.





Contact us...

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