Alumina ceramic furnace tube High temperature alumina ceramic furnace tube Material: Alumina ceramic Mainly Usage:
1. Heat treatment furnace and toughened furnace
2. Inner liner tube and heating tube in electric furnace
Features: 1.Great mechanical strength
2.High softening temperature 3.Good resistance to thermal impact 4.Small thermal expansion coefficient 5.Good chill and abrupt he at properties 6. Resistance to acid and alkali corrosion Our alumina ceramic tubes can work as high temperature tubes According to temperature difference we usually provide 95% alumina tubes and 99.7% alumina tubes for this usage MAX working temperature: 95% alumina tube, 1600C; 99.8% alumina tubes, 1800C. standard sizes: 50/40mm x 1000mm 60/50mm x 1000mm 80/70mm x 1000mm 90/80mm x 1000mm 100/90mm x 1000mm. Max Length is 1200 mm. The sizes are only for reference, we also have other sized tubes in stock, special sized tube can be made according to clients. If you're interested in our tubes please contact with us. We believe you'll be surprised by our fast delivery, competitive prices, and high quality.

Chemical competent Al2O3 99.7% -- 99.8% SiO2<0.2% Fe2O3<0.1%

Alkaline matter<0.1% Density3.9 g/cm3

Hardness 9 M Water absorption<0.1%

Ruptures Strength >2000kg/cm2

Gas tightness Kept for ten minutes at negative pressure of 1.3Kpa.

The pressure drop is less than 0.3Kpa.

Thermal tolerance Insert the pipe into the furnace at a depth of 20mm.

Heat to 1600ºC and maintain for 30 minutes.

Alkali tolerance
In the Na2CO3 solution of 2N concentration, boil for 15 hours with the weight loss not greater than 20mg/dm2.

Volume resistance>9*10(5) Ω·cm/1700ºC

Breakdown voltage 20kv/cm

Expansion coefficient8*10(-8)Temperature for use

Long-term: <1700ºC Short-term: 1800ºC

Chill and abrupt heat1500ºC~room temperature not cracking thrice.