

Heat-Resistant Fused AZS Bricks For Glass Furnace Crowns

Basic Information

 Place of Origin: 	Zhengzhou ,China
 Brand Name: 	Rongsheng Xinwei
 Certification: 	ISO9001
 Model Number: 	Rongsheng
Minimum Order Quantity:	1 Ton
Price:	200-800USD
 Packaging Details: 	Packed on wooden pallets, with water-proof cover, and tightened with plastic/steel bandages
Delivery Time:	10-20 Days
 Payment Terms: 	TT; L/C
 Supply Ability: 	2000tons /month



Product Specification

• Highlight:

Glass Furnace Crowns AZS Bricks Heat-Resistant AZS Bricks, Fused AZS Bricks

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Product Description

Product Description of Fused AZS Bricks For Glass Furnace Crowns

Our Product Introduc

Fused zirconia corundum bricks are not only used in high-temperature and severely corroded areas that come into contact with molten glass but are also widely applied in the upper structures of glass furnaces.

Fused zirconia corundum bricks, also known as AZS bricks, are named based on the ternary phase diagram of Al2O3-ZrO2-SiO2. The chemical components are listed in order of their content: Al2O3 is represented by "A," ZrO2 by "Z," and SiO2 by "S." The standard abbreviations use this format, such as AZS-33# for 33-grade fused zirconia corundum bricks, AZS-36# for 36-grade, and AZS-41# for 41-grade.

Fused zirconia corundum bricks are formed by melting pure alumina powder and zircon sand, which contains approximately 65% zirconia and 34% silica, in an electric furnace. The molten material is poured into molds and cooled into solid white blocks. Their mineral structure consists of an eutectic composed of corundum and baddeleyite along with a glass phase. From a phase composition perspective, they are a eutectic of corundum

and baddeleyite phases, with the glass phase filling the spaces between the crystals.

Fused zirconia corundum bricks are made by fully melting the raw materials, pouring them into molds, and allowing them to cool and solidify. The shrinkage cavities caused by volume contraction during solidification are critical considerations for their use. The casting methods for these bricks include standard casting, tilted casting, shrinkage-free casting, and quasi-shrinkage-free casting.



Co de	Name	Characteristics And Applications	
PT	Standard Casting	Standard casting method, with shrinkage cavities located at the bottom. Mostly used for the and other non-critical positions.	e upper structures
QX	Tilted Casting	Uses a tilted casting method, with shrinkage cavities located on one side. Mainly	used for tank wall
ws	Shrinkage-Free Casting	Eliminates shrinkage cavities through precise casting to produce shrinkage-free products like kiln roofs, tank walls, and areas subject to severe eros	Primarily used for ion.
ZW S	Quasi-Shrinkage- Free Casting	Similar to shrinkage-free casting, effectively reduces shrinkage cavities. Mainly	used for tank wall t

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