

## Al<sub>2</sub>O<sub>3</sub> 氧化鋁空心球磚性能表

項目 Item	氧化鋯空心球磚 Bubble Zirconia Block		
	ABB88	ABB98	
體積密度 Bulk density, g·cm <sup>-3</sup>	1.35~1.8	1.40~1.8	
常溫耐壓強度 Cold crushing strength, Mpa	≥8	≥10	
荷重軟化溫度 Refractoriness under load, °C (0.1MPa, 0.4%)	≥1650	≥1700	
燒後線變化 PLC, % (1600°C x 3h)	±0.3	±0.3	
熱導率 Thermal conductivity, W·(m·K) (平均溫度 Average temperature 800°C)	≤0.9	≤1.0	
最高使用溫度 Maximum service temperature, °C	1650	1800	
化學組成 Chemical composition, %	Al <sub>2</sub> O <sub>3</sub>	≤88	≤98
	SiO <sub>2</sub>	-	0.3
	Zr(Hf)O <sub>2</sub> +CaO	-	-
	Fe <sub>2</sub> O <sub>3</sub>	≤0.5	≤0.2

主要用於陶瓷、電瓷、砂輪和耐火材料等工業高溫窯爐工作襯或隔熱襯；冶金工業破鋼加熱爐內襯，石化工業的製氟爐、氯化爐等高溫裝置的隔熱襯，硬質合金中頻爐保溫襯等。

The product, characterized with good chemical property, good insulating property, good thermal shock resistance, etc. Is mainly used as working or insulating lining for high temperature kilns in ceramic, electric porcelain, abrasive and refractories industries, the inner lining of silicon steel heating furnace in metallurgical industry, the insulating lining of hydrogen generation furnace, gasify in petrochemical industry, and insulating lining of hard alloy intermediate frequency induction furnace.

