

High Temperature Ceramic Fiber Blanket



Product description: Refractory ceramic fiber blanket system using fiber-forming melt-blowing, especially by strengthening needling process, high-temperature heat setting from the fiber blanket. The blanket has all the characteristics of lightweight refractory casual cotton products, but also has good insulation properties and mechanical strength, ease of processing and installation.

Features: Low thermal conductivity, low thermal capacity; thermal shock, corrosion resistance, good anti-crystallization properties; excellent chemical stability; fiber elastic, high temperature shrinkage; ease of processing, installation;

Applications: Industrial furnaces, heating devices, heat pipe; gas turbines and nuclear power boilers, heat-sealed; fire protection and high temperature thermal insulation equipment; high-temperature reaction equipment and heating equipment lining the walls; high temperature filter material;

Specifications		KD-Q1100	KD-Q1200	KD-Q1300	KD-Q1400	KD-Q1600
Classify		Normal Alumina	High Purity Alumina	High Purity Alumina	Comprise ZR	Comprise ZR
Long-term service temperature ^{°C}		1100	1200	1300	1400	1600
Linear shrinkage on heating (%)		1000×24h≤-3	1100×24h≤-3	1200×24h≤-3	1350×24h≤-3	1550×24h≤-3
Thermal Conductivity W/(m·k) (128kg/m ³)	AvG 500 ^{°C}	≤0.153	≤0.153	≤0.153	≤0.153	
Fiber Tensile Strength (Mpa) (25mm)		≥0.04	≥0.05	≥0.04	≥0.06	≥0.06
Bulk Density (Kg/m ³)		80	96	128	160	160
Chemical Compositions(%)	Al ₂ O ₃	≥44	≥45	≥52	≥36	≥72
	SiO ₂	≥52	≥54	≥46	≥48	≥28
	Al ₂ O ₃ + SiO ₂	≥97	≥99	≥99	—	≥99
	Fe ₂ O ₃	≤0.8	≤0.2	≤0.2	≤0.1	—
	ZrO ₂	—	—	—	≥15	—
	ZrO ₂ + Al ₂ O ₃ + SiO ₂	—	—	—	≥99	—
Product Size (mm)		3600/7200×610×20/30/50				
Package style		Plastic bags		Bag + carton		

Remark: Product technique data are an average value base on standard test, it will fluctuate in a certain range, is not the quality assurance data of the product.