

Ceramic Fiber Products

Serving the Global High-temperature Industry



Ceramic Fiber Blanket



High-Temperature
Stability



Excellent Thermal
Insulation Properties



Free of Binders and
Corrosive Substances



Excellent Sound
Absorption

Technical Data:

Item	Common Type	Standard Type	High Purity Type	High Alumina Type	Zirconium Containing Type
Classification Temperature, °C	1050	1260	1260	1350	1430
Service Temperature, °C	<1000	1050	1100	1200	1350
Bulk & Density, kg/m ³	96-128	96-128	96-128	128-160	128-160
Permanent Liner Change, %	-4(1000°C)	-3(1000°C)	-3(1100°C)	-3(1250°C)	-3(1350°C)
Thermal Conductivity W/(m·k)(128kg/m ³)	0.09 (400°C) 0.176 (800°C)	0.09 (400°C) 0.176 (800°C)	0.09 (400°C) 0.176 (800°C) 0.22 (1000°C)	0.132 (600°C) 0.22 (1000°C)	0.76 (800°C) 0.20 (1000°C)
Strength of Extension, Mpa	0.08-0.12	0.08-0.12	0.08-0.12	0.08-0.12	0.08-0.12
Al ₂ O ₃ , %	44	46	47-49	52-55	39-40
Al ₂ O ₃ +SiO ₂ , %	96	97	99	99	-
Al ₂ O ₃ +SiO ₂ +ZrO ₂ , %	-	-	-	-	99
ZrO ₂ , %	-	-	-	-	15~17
Fe ₂ O ₃ , %	<1.2	<1.0	0.2	0.2	0.2
Na ₂ O+K ₂ O, %	≤0.5	≤0.5	0.2	0.2	0.2
Size, mm	Standard Size:7200*610*6-60, Customized Sizes				

Ceramic Fiber Board



Lightweight
High Strength.



High Compressive
Strength



Evenly Heated



Good Toughness

Technical Data:

Item	Ordinary Type	Standard Type	High Purity Type	High Alumina Type	Zirconium Containing Type
Classification Temperature, °C	1100	1260	1260	1360	1430
Working Temperature, °C	<1000	1050	1100	1200	1350
Bulk Density, kg/m ³	260-320	260-320	260-320	260-320	260-320
Permanent Linear Change, %	-4(1000°C)	-3(1000°C)	-3(1000°C)	-3(1250°C)	-3(1350°C)
Thermal Conductivity, W/(m·k) (128kg/m ³)	0.09 (400°C), 0.176 (800°C), 0.22 (1000°C)				
Strength of Extension, Mpa	0.5	0.5	0.5	0.5	0.5
Al ₂ O ₃ , %	44	46	46~49	52-55	39-40
Al ₂ O ₃ +SiO ₂ , %	96	97	99	99	-
Al ₂ O ₃ +SiO ₂ +ZrO ₂ , %	-	-	-	-	99
ZrO ₂ , %	-	-	-	-	15~17
Fe ₂ O ₃ , %	<1.2	<1.0	0.2	0.2	0.2
Na ₂ O+K ₂ O, %	≤0.5	≤0.5	0.2	0.2	0.2
Size, mm	Length, Width Regular Size, Thickness 3-100mm, Customized Size				

Ceramic Fiber Cloth



Metal Erosion
Ability



Non-Toxic, Harmless,
And Odorless



Electrical Insulation
Properties

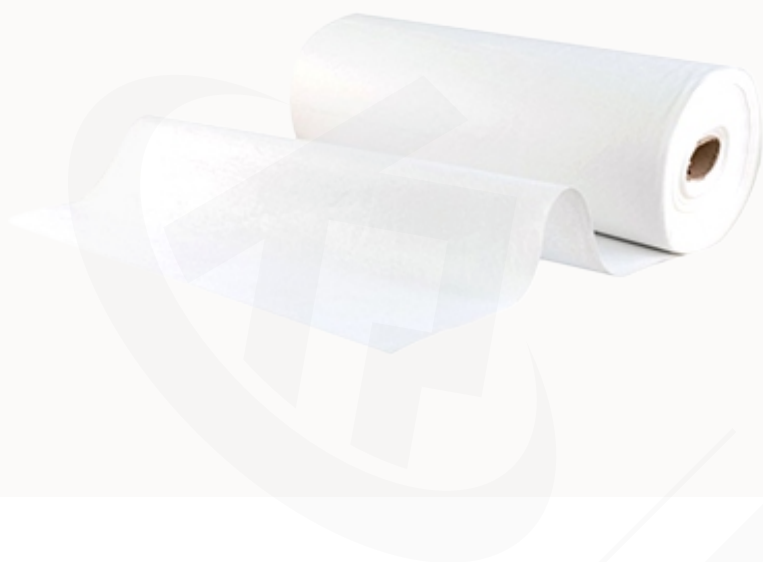


Acid and Alkali
Corrosion Resistance

Technical Data:

Item	Ceramic Fiber Cloth		Ceramic Fiber Tape	
Physical Property	Glass Fiber	Stainless Steel	Glass Fiber	Stainless Steel
Bulk Density, kg/m ³	500-650		500-650	
Size, mm	30000 x 1000 x 2/3		30000 x 50/75 x 2/3	
Moisture Content, %	≤2		≤2	
Continuous Temperature Use Limit, °C	650	1050	600	1050
Organic Content, %	≤15		≤15	

Ceramic Fiber Paper



Thermal Shock
Resistance



High-Temperature
Resistance



Electrical
Insulation



Environmental
Friendly

Technical Data:

Item		STD Paper	HD Paper
Classification Temperature, °C		1260	1350
Al ₂ O ₃ , %		42-47	44-50
SiO ₂ , %		52-57	49-55
Color		White	White
Bulk Density, kg/m ³		200	240
Tensile Strength, Mpa		0.4	0.7
Loss of Ignition, %		≤10	≤6
Thermal Conductivity, W/(m·K)	200°C	0.06	0.06
	400°C	0.09	0.08
	600°C	0.13	0.13
	800°C	0.20	0.19
	1000°C	/	0.29
		/	0.43

Ceramic Fiber Rope



High-Temperature
Stability



Chemical
Resistance



Efficient
Insulation



Sound
Insulation

Technical Data:

Item	Round Braided Rope		Square Braided Rope		Twisted Rope		Woolen Rope
Reinforcement	Glass Fiber	Stainless Steel	Glass Fiber	Stainless Steel	Glass Fiber	Stainless Steel	Glass Fiber
Continuous Temperature Use Limit, °C	650	1000	650	1000	650	1000	650
Color	White		White		White		White
Bulk Density, kg/m ³	500		500		300		380
Organic Content, %	15		15		≤15		≤15

Ceramic Fiber Module



Low Thermal
Conductivity



Shock
Resistance



Great Wear
Resistance



Easy
Installation

Technical Data:

Item		STD Module	HP Module	HA Module	HZ Module
Classification Temperature, °C		1260	1260	1350	1430
Al ₂ O ₃ , %		≥43	≥44	≥52	≥35
SiO ₂ , %		≥54	≥55	≥47	≥49
ZrO ₂ , %		-	-	-	≥15
Color		White	White	White	White
Bulk Density kg/m ³		160-250	160-250	160-250	160-250
Permanent Linear Change, %		1000*24h°C ≤2.5	1100*24h°C ≤2.5	1200*24h°C ≤2.5	1350*24h°C ≤2.5
Chemical Composition	400°C	0.10	0.10	0.10	0.10
	600°C	0.18	0.17	0.16	0.15
	800°C	0.20	0.20	0.20	0.19
	1000°C	0.27	0.26	0.26	0.26

Calcium Silicate Board



Excellent Fire
Performance



Excellent impact
resistant



Superior Heat
Insulation



Low Thermal
Conductivity

Technical Data:

Item		Calcium Silicate Insulation Board			
Maximum Use Temperature, °C		1000			
SiO2, %		46-48			
CaO, %		37-41			
Al2O3, %		0.39-0.42			
MgO, %		0.5-0.7			
Bulk Density, kg/m³		230±10%	250±10%	270±10%	
Modulus of Rupture, MPa	≥	0.45	0.50	0.55	
Compressive Strength, MPa	≥	0.75	0.85	0.95	
Permanent Linear Change, %		1000°C*16h ≤ 2.0			
Thermal Conductivity Coefficient, W/(m•K)	100 °C	0.065	0.067	0.072	
	400 °C	0.091	0.077	0.082	
	600 °C	0.132	0.136	0.138	