Tech Data Sheet

Ceramic fiber blanket

Item		Standard	High Pure	High Aluminum	Alu-Zir	Zirconium
Classification Temp (℃)		1260	1260	1360	1360	1430
Working Temp (℃)		≤1050	≤1100	≤1200	≤1200	≤1350
Color		Pure White	Pure White	Pure White	Pure White	Pure White
Bulk Density (Kg/m3)		64---160	64---160	96---160	96---160	96---160
Permanent Linear Shrinkage(%)		1000℃ X 24h≤ 3	1100℃ X 24h≤ 3	1200℃ X 24h≤ 3		1350℃ X 24h≤ 3
Thermal Conductivity (w/m.k）(128Kg/m3)		0.09(400℃) 0.16(800℃)	0.09(400℃) 0.16(800℃)	0.12(600℃) 0.20(1000℃)	0.12(600℃) 0.20(1000℃)	0.16(800℃) 0.20(1000℃)
Tensile Strength (Mpa)		0.08—0.12	0.08—0.12	0.08—0.12	0.08—0.12	0.08—0.12
Chemical Composition (%)	AL2O3	45—46	47—49	52—55	45—46	39—40
	AL2O3+SIO2	97	99	99	—	—
	AL2O3+SIO2+ ZrO2	—	—	—	99	99
	ZrO2	—	—	—	5—7	15—17
	Fe2O3	≤ 1.0	≤0.2	≤0.2	≤0.2	≤0.2
	Na2O+K2O	≤ 0.5	≤ 0.2	≤ 0.2	≤ 0.2	≤ 0.2
Size(mm)		Length:3600 & 7200 &14640 Width:610 &1220 Thickness:8-60; Or as customer's requirements.				
Package		Plastic weaving bag and cartons				

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Ceramic fiber board

Item		Standard	High Pure	High Aluminum	Alu-Zir	Zirconium
Classification Temp (℃)		1260	1260	1360	1360	1430
Working Temp (℃)		≤1050	≤1100	≤1200	≤1200	≤1350
Color		Pure White	Pure White	Pure White	Pure White	Pure White
Bulk Density (Kg/m3)		280-600	280-600	280-600	280-600	280-600
Permanent Linear Shrinkage(%)		1000℃ X 24h≤ 3	1100℃ X 24h≤ 3	1200℃ X 24h≤ 3		1350℃ X 24h≤ 3
Thermal Conductivity (w/m.k）(200Kg/m3)		0.09(400℃) 0.16(800℃)	0.09(400℃) 0.16(800℃)	0.12(600℃) 0.20(1000℃)	0.12(600℃) 0.20(1000℃)	0.16(800℃) 0.20(1000℃)
Tensile Strength (Mpa)		0.5	0.5	0.5	0.5	0.5
Chemical Composition (%)	AL2O3	45—46	47—49	52—55	45—46	39—40
	AL2O3+SIO2	97	99	99	—	—
	AL2O3+SIO2+ ZrO2	—	—	—	99	99
	ZrO2	—	—	—	5—7	15—17
	Fe2O3	≤ 1.0	≤0.2	≤0.2	≤0.2	≤0.2
	Na2O+K2O	≤ 0.5	≤ 0.2	≤ 0.2	≤ 0.2	≤ 0.2
Size(mm)		300&600*300*150-300 Or as customer’s requirements				
Package		Carton box inner plastic bag				

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Ceramic fiber module & Vacuum formed Ceramic Fiber

Item		Standard	High Pure	High Aluminum	Alu-Zir	Zirconium
Classification Temp (℃)		1260	1260	1360	1360	1430
Working Temp (℃)		≤1050	≤1100	≤1200	≤1200	≤1350
Color		Pure White	Pure White	Pure White	Pure White	Pure White
Bulk Density (Kg/m3)		180-260	180-260	180-260	180-260	180-260
Permanent Linear Shrinkage(%)		1000℃ X 24h≤ 3	1100℃ X 24h≤ 3	1200℃ X 24h≤ 3		1350℃ X 24h≤ 3
Thermal Conductivity (w/m.k）(200Kg/m3)		0.085(400℃) 0.132(800℃) 0.180(800℃)	0.085(400℃) 0.132(800℃) 0.180(800℃)	0.085(400℃) 0.132(800℃) 0.180(800℃)	0.085(400℃) 0.132(800℃) 0.180(800℃)	0.085(400℃) 0.132(800℃) 0.180(800℃)
Tensile Strength (Mpa)		0.5	0.5	0.5	0.5	0.5
Chemical Composition (%)	AL2O3	45—46	47—49	52—55	45—46	39—40
	AL2O3+SIO2	97	99	99	—	—
	AL2O3+SIO2+ ZrO2	—	—	—	99	99
	ZrO2	—	—	—	5—7	15—17
	Fe2O3	≤ 1.0	≤0.2	≤0.2	≤0.2	≤0.2
	Na2O+K2O	≤ 0.5	≤ 0.2	≤ 0.2	≤ 0.2	≤ 0.2
Size(mm)		600*400*10-50; 900*600*10-50; 1200*500*10-50; 1200*1000*10-50; 1000*600*10-50 Or as customer's requirements.				
Package		Carton box inner plastic bag				

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Ceramic fiber cloth & tape

Item	Fiber glad reinforced	Stainless steel reinforced
Working Temp (℃)	600	1050
Organic content(%)	≤15	
Bulk Density (Kg/m3)	550±15	550±30
Moisture content(%)	≤2	
Meridional Density	56-60piece/10cm	
Zonal Density	24-30piece/10cm	
Size(mm)	Cloth: Length: 30000mm;Width: 100mm Thickness: 1.5-6mm Tape: 30*50*2.3mm Or as customer's requirements.	
Package	Carton box inner plastic bag	

Ceramic fiber rope

Item	Fiber glad reinforced		Stainless steel reinforced		
Working Temp (℃)	600		1050		
Organic content(%)	≤15				
Bulk Density (Kg/m3)	550±15		550±30		
Compressive Strength (Mpa)	0.5	0.5	0.5	0.5	0.5
Size(mm)	Round Φ 6-90mm, Square: 20*20, 30*30mm Or as customer's requirements.				
Package	Carton box inner plastic bag				

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