

CCEWOOL® Research series ultra thin Ceramic Fiber Board

Description:

CCEWOOL® Research series ultra thin ceramic fiber board's thickness range is from 5 to 10mm. Manufactured from automatic production line provides it with precise thickness and high compressive strength. It is widely used in electrical appliance and electronic equipment.

Characteristics:

Ultra thin thickness range is 5 -10mm
Low heat capacity, low thermal conductivity;
Non-brittle material, good elasticity;
High compressive strength;
Excellent wind-erosion resistance, long service life;
Excellent thermal stability and thermal shock resistance;
Continuous production, even fiber distribution and stable performance;
Good sound insulation;
Good anti-stripping properties;
Easily molded or cut, easy to install;
Accurate sizes and good flatness

Application:

Electrical appliance and electronic equipment.

Technical data:

CCEWOOL® Research series ultra thin ceramic fiber board					
Classification temperature	1050 (1920°F)	1260 STD (2300°F)	1260 HP (2300°F)	1400 (2550°F)	1430 HZ (2600°F)
Operation Temp °C	950	1050	1100	1200	1350
Permanent Linear Change on Heating (%)					
@950C,24hrs	4	-	-	-	-
@1200C,24hrs	-	3	3	-	-
@1300C,24hrs	-	-	-	3	-
@1350C,24hrs	-	-	-	-	3
Thermal Conductivity (w/m.k)					
600°C	0.13	-	-	-	-
800°C	0.2	0.13	0.13	0.12	0.16
1000°C	-	0.19	0.19	0.2	0.2
Rupture Strength (Mpa)					
Thickness ≤ 25mm	0.5	0.5	0.5	0.5	0.5
Thickness > 25mm	0.2	0.2	0.2	0.2	0.2
Chemical Composition (%)					
Al ₂ O ₃	37	46	46-49	52-55	39-40
Al ₂ O ₃ +SiO ₂	96	97	99	99	-
ZrO ₂	-	-	-	-	15-17
Al ₂ O ₃ +SiO ₂ +ZrO ₂	-	-	-	-	99
Fe ₂ O ₃	≤1.0	≤0.8	≤0.2	≤0.2	≤0.2
Na ₂ O+K ₂ O	≤0.8	≤0.5	≤0.2	≤0.2	≤0.2
Package	Carton box or pallet				

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www.cndoubleegret.com

Size:

CCEWOOL® Research series ultra thin ceramic fiber board	
Thickness (mm)	5/ 10
Density (kg/m ³)	320/350
Size (mm)	1200*1000 or customized size

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