

1430 Uni-module

Ceramic Fiber 1430 uni-block is made of pre-cut 1430 Blanket stack bonded to form a module with cut edges exposed.

Characteristic	* To be secured by concealed anchor
	* Can withstand temperature up to 2600° F
	* Greater mechanical strength
	* Asbestos free
Application	* High gas flow velocity furnace or duct lining
	* Direct exposure to heat as furnace hot face lining
Classification temperature	1430°C (2600° F)

		Specification	Average
Bulk density (GB/T3003-2006)	kg / m ³	150-185 170-200 201-234	160 192 220
Liner shrinkage 1200°C x 24 hrs	%	≤ 2	1.5
Loss on ignition	%	≤ 3	1
Thermal conductivity (W/mK)			
160kg/m ³	mean 600°C mean 800°C mean 1000°C	≤ 0.22 ≤ 0.33 ≤ 0.46	0.17 0.25 0.35
192kg/m ³	mean 600°C mean 800°C mean 1000°C	≤ 0.20 ≤ 0.29 ≤ 0.40	0.15 0.22 0.31
220kg/m ³	mean 600°C mean 800°C mean 1000°C	≤ 0.20 ≤ 0.28 ≤ 0.32	0.13 0.22 0.20
Chemical composition %	Al ₂ O ₃	≥ 32	35.0
	SiO ₂	≤ 55	49.7
	ZrO ₂	≥ 13	15.0

Available size	300 x 300x150~300 mm			
Dimensional	Tolerance			
Length	300 mm		+ 20 mm	- 0 mm
Width	300 mm		+ 5 mm	- 3 mm
Thickness	250 mm		+ 5 mm	- 5 mm

Data are average results of standard tests which are subject to variation and should not be used as specification.