

Product Information Sheet

Ceramic Fibre Blanket

ISOWOOL Ceramic Fiber 1260 Blanket is made of high purity Alumino-Silicate fibrous wool.

Characteristic

- Needled blanket
- Non-combustible
- Can withstand temperature up to 2300° F
- Low density and low thermal conductivity
- Shorter heat up and cool down time
- Resilience and resistance to thermal shock
- Flexible and easy to cut or install
- Consist of acoustic properties
- Contain no organic binder
- Asbestos free

Application

- Refractory back-up installation
- Direct exposure to heat as furnace hot face lining
- Expansion joint seal
- Fire protection
- General high temperature insulation

Classification temperature

1260°C (2300° F)

Melting point

1760°C (3200° F)

Fiber diameter

2.8 micro meter

Fiber length

100 mm average. ~250 mm max.

Tensile strength

5 kg / 25 x 25 mm of 128 kg / m³ 25 mm thickness

Bulk density

kg / m³

Specification

Average

150-195

160

115-150

128

85-115

96

58-85

64

Liner shrinkage

%

≤ 3.0

1.8

1100°C x 24 hrs

Shot content

%

≤ 25.0

18.0

>212micro meter

1260 Blanket

		Specification	Average		
Thermal conductivity Kcal/mh ^o C (W/mK) 160kg/m ³	ASTM C201				
	mean 400°C	≤ 0.10 (0.12)	0.08 (0.09)		
	mean 600°C	≤ 0.15 (0.17)	0.12 (0.14)		
	mean 800°C	≤ 0.21 (0.24)	0.17 (0.20)		
128 kg/m ³	mean 400°C	≤ 0.11 (0.13)	0.06 (0.07)		
	mean 600°C	≤ 0.16 (0.19)	0.10 (0.12)		
	mean 800°C	≤ 0.22 (0.25)	0.14 (0.16)		
96 kg/m ³	mean 400°C	≤ 0.12 (0.14)	0.10 (0.12)		
	mean 600°C	≤ 0.17 (0.20)	0.15 (0.17)		
	mean 800°C	≤ 0.25 (0.29)	0.22 (0.25)		
64 kg/m ³	mean 400°C	≤ 0.13 (0.15)	0.11 (0.13)		
	mean 600°C	≤ 0.20 (0.23)	0.18 (0.21)		
	mean 800°C	≤ 0.30 (0.34)	0.26 (0.30)		
Chemical composition %	Al ₂ O ₃	≥ 45.0	47.1		
	Al ₂ O ₃ + SiO ₂	≥ 98.0	99.4		
Available size	7200 x 600 mm	thickness	6 mm	12.5 mm	25 mm
	3600 x 600 mm	thickness	50 mm		
	4700 x 600 mm	thickness	38 mm		
	1200 x 600 mm	thickness	6 mm	12.5 mm	25 mm
Dimensional	Tolerance				
Length	7200 mm	3600 mm	1200 mm	+ 4%	- 0%
Width	600 mm			+ 5%	- 5%
Thickness	6 mm			+ 3 mm	- 1 mm
	12.5 mm			+ 4 mm	- 2 mm
	25 mm			+ 6 mm	- 4 mm
	50 mm			+ 8 mm	- 5 mm



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THERMAL CONDUCTIVITY

