

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

Characteristic		<ul style="list-style-type: none">• 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		<ul style="list-style-type: none">• 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 / m ³ 25 mm thickness										
Bulk density	kg / m ³	<table><thead><tr><th>Specification</th><th>Average</th></tr></thead><tbody><tr><td>150-195</td><td>160</td></tr><tr><td>115-150</td><td>128</td></tr><tr><td>85-115</td><td>96</td></tr><tr><td>58-85</td><td>64</td></tr></tbody></table>	Specification	Average	150-195	160	115-150	128	85-115	96	58-85	64
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150-195	160											
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Liner shrinkage 1100°C x 24 hrs	%	<table><tbody><tr><td>≤ 3.0</td><td>1.8</td></tr></tbody></table>	≤ 3.0	1.8								
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Shot content >212micro meter	%	<table><tbody><tr><td>≤ 25.0</td><td>18.0</td></tr></tbody></table>	≤ 25.0	18.0								
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09.97

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



ISOLITE INSULATING PRODUCTS CO.,LTD.

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	50 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	

