

# SOLUBLE WOOL BLANKET

SFBK-1200

*1200°C max*

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*13-50 mm thk*

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*96- 160 kg/m<sup>3</sup>*

Biomag™ bio-soluble wool blanket is the specially manufactured alkaline earth silicate wool (AES) with superior thermal insulating performance, the unique fiber wool blanket is double-needed with soft fiber and less skin irritation, excellent heat insulation is proved by low thermal conductivity, good fiber strength and thermal shock resistance.

Wide choices on dimension and density are available for flexible application and access



# Biomag™ Soluble Wool Blanket Data Sheet

Technical Items		SFBK1200 / SFBK2300			
Classification Temperature		1200°C (2300 °F)			
Max continuous working temperature		1000°C (1832 °F)			
Color		White			
Odor		Odorless			
Melting Point		1300°C (2372 °F)			
Permanent Linear Shrinkage-1000°C (1832 °F)		1.3% (24 Hours)			
<b>Density</b>					
kg/m <sup>3</sup>	64	96	128	160	
Lb/ft <sup>3</sup>	4	6	8	10	
Tensile Strength (kpa)	30	50	70	85	
<b>Thermal Conductivity-W/mk (BTU.in/hr/ft<sup>2</sup>/°F)</b>					
Mean Temperature					
400°C ( 752°F )	0.12 (0.82)	0.10 (0.69)	0.09 (0.62)	0.09 (0.62)	
600°C ( 1112°F )	0.18 (1.24)	0.16 (1.11)	0.15 (1.03)	0.14 (0.97)	
800°C ( 1472°F )	0.30 (2.09)	0.25 (1.73)	0.22 (1.52)	0.20 (1.38)	
1000°C ( 1832°F )	0.43 (2.98)	0.36 (2.49)	0.30 (2.08)	0.28 (1.93)	
<b>Typical Chemical Composition (%)</b>					
SiO <sub>2</sub>	61-68				
CaO	27-32				
MgO	2-6				

The technical data herein are typical average values based on the commonly-accepted test methods and are subject to normal variations by production lots. It is supplied as a technical service and are subject to change without notice, the data contained herein should not be used for specification purposes or contractual obligation. Check with us for latest information

# Biomag™ Soluble Wool Blanket

- Low bio persistence AES wool blanket with 1200°C classification temperature
- Exceptional thermal performance with lower heat loss, low heating shrinkage
- Ecological friendly and human safe in operation and lining construction
- Excellent alternatives for refractory ceramic fiber blanket in heat insulations



Products Description							Shipment	Note
Temperature	Density	Length	Width	Thickness	Weight	Product Code	each 40'HC	
°C	kg/m <sup>3</sup>	mm	mm	mm	Kgs / Roll	Code	Rolls	
1200	64	14,640	610	13	7.43	SFBK1200 064 A 13	525	
		14,640	1,220	13	14.86	SFBK1200 064 B 13	260	
		7,320	610	25	7.14	SFBK1200 064 A 25	525	
		7,320	1,220	25	14.29	SFBK1200 064 B 25	260	
		4,880	610	38	7.23	SFBK1200 064 A 38	525	
		4,880	1,220	38	14.48	SFBK1200 064 B 38	260	
		3,660	610	50	7.14	SFBK1200 064 A 50	525	
		3,660	1,220	50	14.29	SFBK1200 064 B 50	260	
	96	14,640	610	13	11.14	SFBK1200 096 A 13	525	
		14,640	1,220	13	22.29	SFBK1200 096 B 13	260	
		9,760	610	19	10.85	SFBK1200 096 A 19	525	
		9,760	1,220	19	21.72	SFBK1200 096 B 19	260	
		7,320	610	25	10.71	SFBK1200 096 A 25	525	
		7,320	1,220	25	21.43	SFBK1200 096 B 25	260	
		4,880	610	38	10.85	SFBK1200 096 A 38	525	
		4,880	1,220	38	21.72	SFBK1200 096 B 38	260	
	128	3,660	610	50	10.71	SFBK1200 096 A 50	525	
		3,660	1,220	50	21.43	SFBK1200 096 B 50	260	
		14,640	610	13	14.85	SFBK1200 128 A 13	525	
		14,640	1,220	13	29.72	SFBK1200 128 B 13	260	
		9,760	610	19	14.47	SFBK1200 128 A 19	525	
		9,760	1,220	19	28.96	SFBK1200 128 B 19	260	
		7,320	610	25	14.28	SFBK1200 128 A 25	525	
		7,320	1,220	25	28.58	SFBK1200 128 B 25	260	
	160	4,880	610	38	14.47	SFBK1200 128 A 38	525	
		4,880	1,220	38	28.96	SFBK1200 128 B 38	260	
		3,660	610	50	14.28	SFBK1200 128 A 50	525	
		3,660	1,220	50	28.58	SFBK1200 128 B 50	260	
		14,640	610	13	18.56	SFBK1200 160 A 13	525	
		14,640	1,220	13	37.15	SFBK1200 160 B 13	260	
		9,760	610	19	18.09	SFBK1200 160 A 19	525	
		9,760	1,220	19	36.20	SFBK1200 160 B 19	260	
		7,320	610	25	17.85	SFBK1200 160 A 25	525	
		7,320	1,220	25	35.72	SFBK1200 160 B 25	260	
		4,880	610	38	18.09	SFBK1200 160 A 38	525	
		4,880	1,220	38	36.20	SFBK1200 160 B 38	260	
3,660		610	50	17.85	SFBK1200 160 A 50	525		
3,660		1,220	50	35.72	SFBK1200 160 B 50	260		

Notes:

- Standard package is carton box