



# KT Refractories US Company

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## Bio Soluble Fiber Blanket Data Sheet

Technical Items		1260/2300 SOLUBLE FIBER BLANKET			
Classification Temperature		1260°C (2300 °F)			
Max continuous working temperature		1050°C (1922 °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	65	80	
<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