



KT Refractories US Company

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Ceramic Fiber Paper Technical Datasheet

Technical Items	2300 STD PAPER	2300 HP PAPER	2600 HZ PAPER
Classification Temperature	1260 °C (2300 °F)	1260 °C (2300 °F)	1430 °C (2600 °F)
Max continuous use temperature limit	1100 °C (2012 °F)	1150 °C (2102 °F)	1350 °C (2462 °F)
Color	White	White	White
Melting Point	1760 °C (3200 °F)	1760 °C (3200 °F)	1760 °C (3200 °F)
Permanent Linear Shrinkage	2.8% at (1000°C/1832°Fx24Hrs)	3.0% at (1100°C/2012°Fx24Hrs)	3.0% at (1300°C/2372°Fx24Hrs)
Typical Density			
kg/m ³	192-224	192-224	192-224
lb/ft ³	12-14	12-14	12-14
Tensile Strength (Kpa)	350	450	450
Psi	50	65	65
Loss of ignition (wt)	<8%	<10%	<10%
Thermal Conductivity-W/mk (BTU.in/hr/ft²/°F)			
600°C	0.12	0.10	0.09
(1112°F)	0.81	0.69	0.63
800°C	0.16	0.14	0.15
(1472°F)	1.10	0.97	1.04
1000°C	0.22	0.19	0.18
(1832°F)	1.53	1.32	1.25
1100°C			0.24
(2012°F)			1.66
Chemical Composition (%)			
Al ₂ O ₃	>45	>46	>34
SiO ₂	>53	>53	>50
ZrO ₂			>15
Fe ₂ O ₃	<0.3	<0.2	<0.2