



CERAMATERIALS



"Your One Stop Shop for Thermal Processing"

Ceramic Fiber Paper Specs

Typical Physical Properties

Specs	Standard Grade	High Purity Grade	Zirconia Grade
Color	White	White	White
Max Use Limit	2300 °F	2300 °F	2552 °F
Continuous Use Limit	2012 °F	2012 °F	2462 °F
Density	10-13	10-13	10-13
Organic Content(%)	< 5%	< 5%	< 5%
Tensile Strength(PSI)	75-90	30-40	75-90
Break Strength(PSI)	10-15	10-15	10-15
Thermal Conductivity w/m-k(Btu in./hr./ft ² °F)			
@ 600 °C(1112 °F)	0.08(0.55)	0.08(0.55)	0.08(0.55)
@ 800 °C(1472 °F)	0.12(0.80)	0.11(0.75)	0.11(0.76)
@ 1000 °C(1832 °F)	0.18(1.25)	0.16(1.15)	0.17(1.18)

Typical Chemical Properties

Grade	Standard Grade	High Purity Grade	Zirconia Grade
Al ₂ O ₃	45-46%	47-49%	39-40%
SiO ₂	51-52%	50-52%	42-43%
ZrO ₂	-	--	15-17%
Fe ₂ O ₃	<1.0%	0.2%	0.2%
K ₂ O+NA ₂ O	≤0.5%	0.2%	0.2%
LOI	<10%	<10%	<10%