

## CFI CERAMIC FIBER PAPER – Data Sheet

Physical Properties	Commercial Grade - COM	Standard Grade - ST	High Purity Grade - HP	High Alumina Grade - HA	High Zirconia Grade - HZ
Maximum Temperature Rating, °F (°C)	2012 (1100)	2300 (1260)	2300 (1260)	2480 (1360)	2606 (1430)
Continuous Use Limit, °F (°C)	< 1832 (< 1000)	1922 (1050)	2012 (1100)	2192 (1200)	2462 (1350)
Color	White	White	White	White	White
Nominal Density, lb/ft <sup>3</sup> (Kg/m <sup>3</sup> )	16 (200)	16 (200)	16 (200)	16 (200)	16 (200)
Tensile Strength, psi (Mpa)	75 (0.5)	75 (0.5)	75 (0.5)	75 (0.5)	75 (0.5)
Linear Shrinkage, %, 24 hours	-4 (1652°F)	-4 (1832°F)	-4 (2012°F)	-4 (2282°F)	-4 (2462°F)
Thermal Conductivity, BTU.in/hr.ft <sup>2</sup> .°F (W/m.k)					
@750°F (400°C)	0.63 (.09)	0.63 (.09)	-	-	-
@1112°F (600°C)	-	-	-	0.84 (.12)	1.12 (.16)
@1472°F (800°C)	1.12 (.16)	1.12 (.16)	1.12 (.16)	-	-
@1832°F (1000°C)	-	-	1.40 (.20)	1.40 (.20)	1.40 (.20)
	(8 lb/ft <sup>3</sup> Density)	(8 lb/ft <sup>3</sup> Density)	(8 lb/ft <sup>3</sup> Density)	(8 lb/ft <sup>3</sup> Density)	(8 lb/ft <sup>3</sup> Density)
<b>Chemical Composition</b>					
Al <sub>2</sub> O <sub>3</sub>	40 – 44%	45 – 46%	47 – 49%	52 – 55%	39 – 40%
Al <sub>2</sub> O <sub>3</sub> + SiO <sub>2</sub>	95 – 96	96 – 97	98 – 99	99	83 – 85
ZrO <sub>2</sub>					15-17
Fe <sub>2</sub> O <sub>3</sub>	< 1.2	< 1.0	0.2	0.2	0.2
Na <sub>2</sub> K <sub>2</sub> O	≤ 0.5	≤ 0.5	0.2	0.2	0.2
<b>Available Sizes</b>					
Standard Roll Length	24 ft. (7200mm) Other lengths available upon request				
Standard Roll Width	24in , 48in (610mm, 1220mm) Other widths available upon request				
Thickness	1/16", 1/8", 3/16", 1/4" (1, 2, 3, 4, 5, 6mm)				