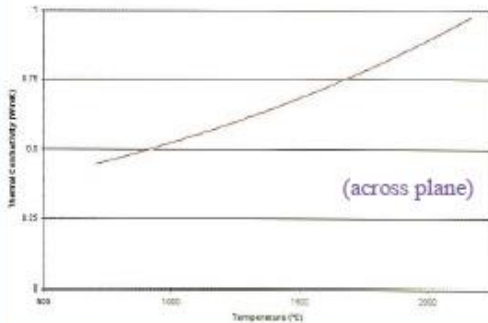


CeraMaterials™

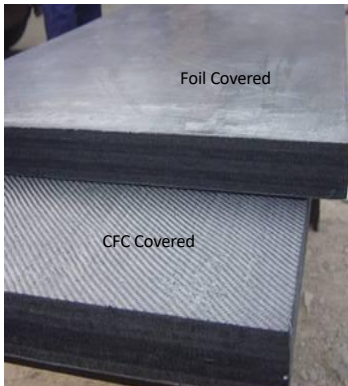
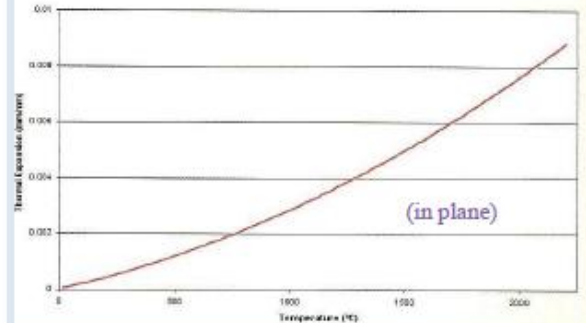
Graphite & Ceramic Insulation, CFC, Moly & Alumina

Graphite Board Insulation

Thermal Conductivity (in Argon)

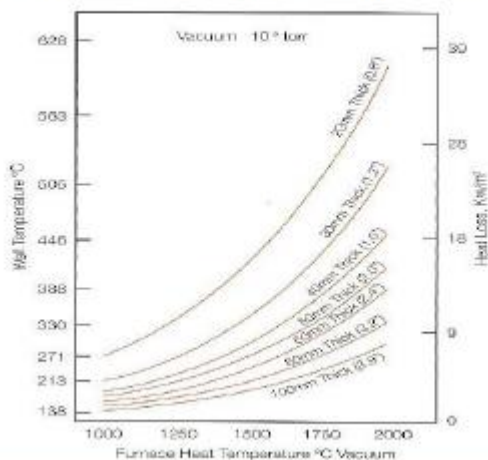


Thermal Expansion (in Argon)



Property		Measured Value
Bulk density	(g/cm ³)	0.25
Carbon content	(%)	≥95
Thermal conductivity	(W/mk)	0.15-0.25
Specific resistance	(ohm.cm)	0.18-0.22
Flexural Strength	(Mpa)	1.10
Ash content	(%)	≤ 0.6
Processing temperature	(°C)	1200 – 2000
Environment To use	(°C)	2400 neutral atmosphere, 3000 in vacuum
Size		Max 1.5 x 1.5 meter (60 x 60 in) max
Standard Size		60 in x 40 in (stocked size in 1, 1.5 & 2 in thick)

Heat Loss of Various Thickness



Notes:

- 1) Up to 20 inch thickness available
- 2) Graphite foil facing on 1 side add \$50
- 3) Cloth (CFC) facing on 1 side add \$250
- 4) Cylinders & shapes made to order
- 5) Machined features done to print
- 6) Rigid & Semi-rigid qualities available
- 7) Data shows typical values