

Carbon and Graphite Insulating Boards

Property	Measured Value
Bulk density (g/cm ³)	0.35
Carbon content (%)	≥95
Thermal conductivity (W/mk)	0.15-0.25
Specific resistance (ohm.cm)	0.18-0.22
Strength for bending (Mpa)	1.1
Ash content (%)	≤0.6
Processing temperature (°C)	1200 – 2000
Environment To use (°C)	1250-3000
Size (in)	Max 1.5 m (60 " x 60 ")
Standard Size	60 in x 40 in
Thickness	Up to 20 inches thick



- Carbon boards (1200C heat treated) are rigidized PAN long fiber felt & only stocked in 60inch x 40 inch x all thicknesses above with foil on 2 sides for same day shipping.
- Graphite boards (2000C heat treated) are sliced Rayon foam stocking in (60 x40in) & (52 x 24 inch) size with foil on one side for shipping In 1 week.
- Boards can be lined (covered) on one or both sides with : Graphite foil (0.015 in thick) = add \$50 dollars per side as well as CFC (Carbon-fiber-composite) (0.030 in thick) = add \$250-\$450 per side.
- Boards can be machined to any custom size and shape. Larger sizes can be assembled from smaller pieces and bonded with a ship lap or biscuit joint & glued together.
- Board thickness capability up to 20 inches thick.
- High temperature heat treatment up to 2600C & halogen purification available.