

Manufacturers of Isostatic (High Density) Graphite Components

We would like to offer the following grades of Isostatic Graphite suitable for the following industries:

- Continuous Casting Dies for Brass, Copper and Aluminum
- Pressure Sintering while manufacturing Diamond Tools – Side Plates, Separators and Punches
- Electric Discharge Machining (EDM)
- Vacuum Evaporation of Metals like Aluminum, Gold, Silver
- Crucibles, Sealing Rods, Jigs and Boats for Semiconductor Applications
- Dies and Molds

The technical specs of the grades that are being offered are as below:

| Grade | Bulk Density (gm/cc) | Max Grain Size (mm) | Specific Resistance ($\mu \Omega\text{-m}$) | Shore Hardness | Tensile Strength (MPa) | Bending Strength (MPa) | Thermal Conductivity (W/mK) | Coefficient of Thermal Expansion ($\times 10^{-6} / \text{K}$) |
|---------|----------------------|---------------------|---|----------------|------------------------|------------------------|-----------------------------|--|
| IGS 743 | 1.80 | 0.05 | 35 | 60 | 35 | 54 | 128 | 4.8 |
| IGS 844 | 1.85 | 0.02 | 42 | 78 | 42 | 64 | 80 | 5.4 |

For more information, do feel free to write in to us.

Visit us at www.titanicgraphite.com for more information on our Group Company – Titanic Alloys.

Thanking You.

Yours Sincerely,

Mr. Mahendra Dodhia
(Prop: Titanic Alloys)

Mr. Varun Dodhia
(Prop: Triton Graphite)