



**M|B|I**  
M. BRASHEM, INC.

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Quality Engineered Graphite  
Technical Bulletin

**GRADE MBIS-S4**

Is a quality, fine grain, high strength isostatically molded graphite that can be machined to tight tolerances and used in a vast array of the most difficult applications.

**TYPICAL APPLICATIONS INCLUDE:**

Continuous casting dies, semiconductor and composite parts, sintering (ceramic and electronic), hot pressing, diamond drill bits and rocket nozzles.

**SIZES**

Available upon request.

**TYPICAL PROPERTIES @ ROOM TEMPERATURE (ENGLISH)**

Bulk Density (g/cm <sup>3</sup> )	1.80
Average Particle Size (in.)	.001
Specific Resistance (10 <sup>-4</sup> Ω.in)	5.91
Flexural Strength (psi)	5,378
CTE (10 <sup>-6</sup> /°F)	2.5
Ash Content (%/nppm)	.07/700
Young's Modulus (x10 <sup>-6</sup> /psi)	1.7
Compressive Strength (psi)	11,629
Hardness (shore)	50

\*Note: This information is not a warranty. It is offered solely for your consideration, investigation and verification.

**"GRAPHITE IS OUR SPECIALTY"**

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