



# AMERI-SOURCE™

## TECHNICAL INFORMATION

### GRADE AS-LM MOLDED GRAPHITE

*Excellent erosion resistance and thermal properties*

#### Typical Applications

- Large diameter molds and crucibles
- Induction and vacuum furnace parts
- Heat exchangers chemical process equipment
- Fluidized bed reactors

#### Sizes Available

- Block - 16" x 16" x 70" (standard – Larger are available)
- Rounds – 24" diameter through 60" diameter x 16" long

#### Typical Properties @ room temperature

	ENGLISH	AG	METRIC	AG	
Density	lbs/ft <sup>3</sup>	101	g/cm <sup>3</sup>	1.61	.
Particle Size (max)	inches	0.14	mm	4.0	.
Specific Resistance	10 <sup>-4</sup> Ω in	3.35	μΩm	8.5	.
Flexural Strength	psi	1250	Mpa	8.5	.
Compressive Strength	psi	3300	Mpa	23	.
CTE (to 100 deg. C)	10 <sup>-6</sup> /deg F	1.2	10 <sup>-6</sup> /deg C	2.3	.

*This information is not to be taken either as a warranty or representation for which we assume legal responsibility nor as permission or recommendation to practice any patented invention without a license. It is offered solely for your consideration, investigation and verification.*

#### SOLUTIONS TO GLOBAL COMPETITION

Ameri-Source Specialty Products

5372 Enterprise Blvd.

Bethel Park, PA 15102-2532

Tel: (412) 831-9400

Fax: (412) 831-9401

[www.ameri-source.com](http://www.ameri-source.com)

3/11/2009

