

# AMERI-SOURCE

## TECHNICAL INFORMATION

### GRADE AS-TJ ISOMOLDED GRAPHITE (ATJ Equivalent)

*Fine grain, high density, and excellent mechanical properties*

#### Typical Applications

- Continuous Casting dies
- Hot Pressing Molds and Punches
- Composite Tooling
- EDM electrodes

#### Sizes Available

- Block - 16" x 16" x 20" (Larger sizes available)
- Rounds – 2" diameter through 16" diameter x 20" long

#### Typical Properties @ room temperature

	ENGLISH	AG	METRIC	AG	
Density	lbs/ft <sup>3</sup>	114	g/cm <sup>3</sup>	1.82	.
Particle Size (max)	inches	0.001	mm	0.025	.
Specific Resistance	10 <sup>-4</sup> Ω in	4.5	μΩm	10	.
Flexural Strength	psi	5,800	Mpa	40	.
Compressive Strength	psi	11,500	Mpa	80	.
CTE (to 100 deg. C)	10 <sup>-6</sup> /deg F	1.7	10 <sup>-6</sup> /deg C	3.0	.

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#### SOLUTIONS TO GLOBAL COMPETITION

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