



### ACC 200 Series Extruded Graphite Defined

Known for its economy, the 200 Series features relatively high mechanical strength and low porosity at an affordable price. Where good mechanical properties are required but high density and porosity are not necessarily a priority, the 200 series is the solution.

### Standard Applications

- Casting molds for hot metals and ceramics
- Furnace parts and protection
- Crucibles for melting and alloying
- Boats and trays for sintering applications
- Parts for aluminum gas injection systems
- Resistance Heating

### Standard Sizes\*

Description	Dimensions (English)	Dimensions (Metric)
Round	4" - 16" $\varnothing$ x 72" length	102-406 mm $\varnothing$ x 1829mm length
Block	16" x 16" x 72"	406mm x 406mm x 1829mm
Block	20" x 20" x 72"	508mm x 508mm x 1829mm
Block	16" x 16" x 80"	406mm x 406mm x 2032mm
Block	20" x 20" x 80"	508mm x 508mm x 2032mm

\*Custom Blocks are available upon request. Maximum allowable dimensions is 25.5" x 23.6" x 105" or 650mm x 600mm x 2,667mm.

### Table of Properties at 65°F

Physical Properties	English	Metric
Density	$\geq 0.0614 \text{ lb/in}^3$	$\geq 1.70 \text{ g/cm}^3$
Maximum Particle Size	0.0787 in	2 mm
Specific Resistance	$\leq 0.2 \mu\Omega \cdot \text{in}$	$\leq 8 \mu\Omega \cdot \text{m}$
Ash Content	$\leq 0.1\%$	$\leq 0.1\%$
Bending Strength	$\geq 2,103 \text{ psi}$	$\geq 14.5 \text{ mpa}$
Compressive Strength	$\geq 4,641 \text{ psi}$	$\geq 32 \text{ mpa}$
C.T.E. (100-600°C)	$\leq 37 \cdot 10^{-6} / ^\circ\text{F}$	$\leq 2.5 \cdot 10^{-6} / ^\circ\text{C}$
Allowable Tolerance Width	$\pm 0.079 \text{ in}$	$\pm 2 \text{ mm}$
Allowable Tolerance Height	$\pm 0.079 \text{ in}$	$\pm 2 \text{ mm}$
Allowable Tolerance Length	$\pm 0.79 \text{ in}$	$\pm 20 \text{ mm}$
Allowable Tolerance Diameter	$\pm 0.079 \text{ in}$	$\pm 2 \text{ mm}$
Allowable Camber	$\leq 0.5\%$	$\leq 0.5\%$

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