



Porous Graphite PG-100 and PG-150

Quality, Service, and Consistency

Description: Porous Graphite is widely used in the furnace for the single crystal growing of SiC in vacuum or inert gas atmospheres at up to 2650°C or higher.

Available in these sizes:

Rectangular: 14"x 14" x 21"

Rounds: 7.50" Diameter x 39" Long

6.50" Diameter x 39" Long

*Longer lengths are available upon request"

Properties	Test Standard	UOM	English	
			PG-100	PG-150
Average Pore Diameter		inches	0.0023	0.0013
Apparent Density	ASTM C-838	g/cm ³	1.05	1.10
Electrical Resistivity	ASTM C-611	Ω-inch x 10 ⁵	130	195
Flexural Strength	ASTM C-651	lb/in ²	550	650
Compressive Strength	ASTM C-695	lb/in ²	850	950
Porosity	ASTM C-830	%	50	48
Thermal Conductivity	ASTM C-201	Btu-ft/hr-ft ² °F	10.4	10.4
Filtration Rate - Air		ft ³ /ft ² /min	3	1
Filtration Rate - Water		gal/ft ² /min	30	10

PG-100/PG-150 Rev.0

NOTE: The above data should be regarded as general information, not guaranteed specification limits.

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