

PG-150 Porous Graphite

Technical Data Sheet 6021

Product Overview

GRAFSTAR™ PG-150 porous graphite provides uniform high porosity and small pore size, resistance to practically all corrosive solutions, resistance to thermal shock, and is easily machined.

Sizes

- 5 x 39" rounds
- 14 x 14 x 20" rectangles

Typical Properties at Room Temperature*

Characteristic	Unit	Value	Unit	Value
Bulk Density	lb/ft³	62	g/cc	1.00
Porosity	%	37	%	37
Compressive Strength	lb/in²	1500	MPa	10.3
Flexural Strength	lb/in²	600	MPa	4.1
Average Pore Diameter	in	0.0013	μm	33
Specific Resistance	10 ⁻⁵ Ω in	130	μΩm	33
Thermal Conductivity	BTU-ft/hr ft² ∘F	50	W/mK	86
C.T.E. (to 100 °C)	10 ⁻⁶ /°F	1.1	10 ⁻⁶ /°C	2.0

Filtration Rate				
Air	ft³/ft²/min	-		
Water	gal/ft²/min	10		

Notes

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Redefining limits

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^{*}Properties listed are typical and cannot be used as accept/reject specifications