

PC-150 Porous Carbon

Technical Data Sheet 6023

Product Overview

GRAFSTAR™ PC-150 porous carbon 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/ft ³	72	g/cc	1.17
Porosity	%	27	%	27
Compressive Strength	lb/in ²	3250	MPa	22.4
Flexural Strength	lb/in ²	1330	MPa	9.2
Average Pore Diameter	in	0.0013	µm	33
Specific Resistance	10 ⁻⁹ Ω in	99	µΩm	25
Thermal Conductivity	BTU-ft/hr ft ² °F	30	W/mK	52
C.T.E. (to 100 °C)	10 ⁻⁶ /°F	1.1	10 ⁻⁶ /°C	2.0

Filtration Rate		
Air	ft ³ /ft ² /min	-
Water	gal/ft ² /min	7

Notes:
*Properties listed are typical and cannot be used as accept/reject specifications

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Redefining limits