

# PG-100 Porous Graphite

Technical Data Sheet 6020

## Product Overview

GRAFSTAR™ PG-100 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

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

## Typical Properties at Room Temperature\*

Characteristic	Unit	Value	Unit	Value
Bulk Density	lb/ft <sup>3</sup>	63	g/cc	1.01
Porosity	%	31	%	31
Compressive Strength	lb/in <sup>2</sup>	1600	MPa	11.0
Flexural Strength	lb/in <sup>2</sup>	700	MPa	4.8
Average Pore Diameter	in	0.0023	µm	58
Specific Resistance	10 <sup>-5</sup> Ω in	150	µΩm	38
Thermal Conductivity	BTU-ft/hr ft <sup>2</sup> °F	45	W/mK	78
C.T.E. (to 100 °C)	10 <sup>-6</sup> /°F	1.1	10 <sup>-6</sup> /°C	2.0

Filtration Rate		
Air	ft <sup>3</sup> /ft <sup>2</sup> /min	3
Water	gal/ft <sup>2</sup> /min	30

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

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**Redefining limits**