

# 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/ft³	63	g/cc	1.01
Porosity	%	31	%	31
Compressive Strength	lb/in²	1600	MPa	11.0
Flexural Strength	lb/in²	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 ft² °F	45	W/mK	78
C.T.E. (to 100 °C)	10 <sup>-6</sup> /ºF	1.1	10 <sup>-6</sup> /°C	2.0

Filtration Rate				
Air	ft³/ft²/min	3		
Water	gal/ft²/min	30		

Notes

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## **Redefining limits**

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<sup>\*</sup>Properties listed are typical and cannot be used as accept/reject specifications