

PGR Graphite

Technical Data Sheet 6017

Product Overview

GRAFSTAR™ PGR graphite is a general purpose, cost effective material for less demanding applications.

Sizes

- Made-to-order item only
- Size listing available upon request

Typical Properties at Room Temperature*

Characteristic	Unit	WG	AG	Unit	WG	AG
Density	lbs/ft ³	104		g/cm ³	1.67	
Maximum Particle Size	inches	0.03		mm	0.762	
Specific Resistance	10 ⁻⁴ Ωin	4.3	6.1	μΩm	11.0	15.5
Flexural Strength 4-point bending	psi	1350	1445	kg/cm ²	94	100
Young's Modulus	10 ⁶ psi	1.0	0.7	kg/mm ²	703	490
Tensile Strength	psi	1100	1000	kg/cm ²	76	69
Compressive Strength	psi	4400	4400	kg/cm ²	305	305
C.T.E. (RT to 100°C)	10 ⁻⁶ /°F	0.9	1.1	10 ⁻⁶ /°C	1.3	1.9
Hardness	Rockwell "R"	40		Rockwell "R"	40	
Ash Content	%	0.07		%	0.07	

Notes:

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

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Redefining limits