



Bay Composites, Inc.

Advanced Graphite Products

Bay Composite, Inc.
1801 Jarman Street
Essexville, MI 48732
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Susceptor Grade Graphite PDF-BC

Properties	Test Standard	English		Metric	
		UOM		UOM	
Bulk Density	ASTM C-838	lbs./ft ³	110	g/cc	1.76
Particle Size	ASTM C-559	Inches	0.031	mm	0.8
Electrical Resistivity	ASTM C-611	Ω-inch	3.1	μΩm	8.0
Flexural Strength	ASTM C-651	psi	2600	MPa	18
Compressive Strength	ASTM C-695	psi	5500	MPa	38
Tensile Strength	ASTM C-565	psi	1700	MPa	12
Porosity	ASTM C-830	%	15	%	15
Coefficient of Thermal Expansion (to 100°C)	ASTM E-228	10-6/°F	1.3	10-6/°C	2.4
Thermal Conductivity	ASTM C-201	Btu-ft/hr-ft ² °F	90	W/mK	160
Ash Content	ASTM C-561	%	0.09	%	0.09
Hardness		Rockwell "R"	80		80

The above data should be regarded as general information, not guaranteed specification limits.