

Poco Graphite AXF-5QC Specialty Graphite, Copper Impregnated

Category : Carbon , Graphite

Material Notes:

SSH hardness is 67. General Poco Specialty Graphite Information: Poco's high strength, fine-grained, isotropic graphites offer maximum design flexibility. Easily machined. High strength and small particle size allow fabrication of complex components containing tight tolerances. Post synthesis treatments available include purification or impregnation with resins, oxidation inhibitors, or metals. Surface treatments offer improved wear characteristics and particle reduction. Some applications of Poco specialty graphites include anode plates for wet cells, fuel cell plates for solid polymer cells, air bearings, hot gas valves, high temperature bearings, bushings, and seals, hot press dies and rams, furnace furniture/fixtures, rocket engine nozzles, molten metal casting components, vacuum furnace heating elements, space vehicle nose cones, mirrors and optical structures, and satellite heat shields. Information provided by Poco Graphite, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Poco-Graphite-AXF-5QC-Specialty-Graphite-Copper-Impregnated.php

Physical Properties	Metric	English	Comments
Apparent Bulk Density	3.12 g/cc	0.113 lb/in ³	
Particle Size	5.0 µm	5.0 µm	

Mechanical Properties	Metric	English	Comments
Flexural Strength	115 MPa	16700 psi	
Compressive Yield Strength	210 MPa	30500 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	8.70 µm/m-°C	4.83 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	175 W/m-K	1210 BTU-in/hr-ft ² -°F	Estimated by Poco
Maximum Service Temperature, Air	500 °C	932 °F	Oxidation threshold

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.000250 ohm-cm	0.000250 ohm-cm	

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