

Poco Graphite AXF-5Q10W Biomedical Grade Graphite

Category : Carbon , Graphite

Material Notes:

POCO has developed post synthesis modifications to make our graphites more suitable to specific conditions. As a producer of highly technical, specialty materials, POCO also offers design engineering support, precision machining, and material testing. Diverse applications include precision parts, graphite filters for blood dialysis machines, graphite electrodes and heating elements. The compatibility of carbon and graphite with human tissues and bodily fluids have allowed POCO materials to be used in a variety of implants. Applications include artificial heart valves, dental mounts, cancer treatment devices and blood analysis devices.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Poco-Graphite-AXF-5Q10W-Biomedical-Grade-Graphite.php

Physical Properties	Metric	English	Comments
Apparent Bulk Density	1.95 g/cc	0.0704 lb/in ³	
Particle Size	5.0 µm	5.0 µm	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	72	72	
Flexural Strength	75.0 MPa	10900 psi	
Compressive Strength	145 MPa	21000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	7.70 µm/m-°C	4.28 µin/in-°F	
Thermal Conductivity	130 W/m-K	902 BTU-in/hr-ft ² -°F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00150 ohm-cm	0.00150 ohm-cm	

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