

Poco Graphite AXZ-5Q Industrial Grade Graphite

Category : Carbon , Graphite

Material Notes:

POCO's specialty graphite materials are used in a wide range of highly technical and industrial applications. Each grade has characteristics and properties that allow the user to match the ideal graphite to each application. Post synthesis modifications enhance the original material to allow even greater flexibility for highly specialized conditions.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Poco-Graphite-AXZ-5Q-Industrial-Grade-Graphite.php

Physical Properties	Metric	English	Comments
Apparent Bulk Density	1.66 g/cc	0.0600 lb/in ³	
Open Porosity	90 %	90 %	
Porosity	26 %	26 %	
Particle Size	5.0 µm	5.0 µm	
Pore Size	0.700 microns	0.0276 mil	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	69	69	
Tensile Strength, Yield	34.0 MPa	4930 psi	
Modulus of Elasticity	9.00 GPa	1310 ksi	
Flexural Strength	52.0 MPa	7540 psi	
Compressive Strength	103 MPa	14900 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	7.60 µm/m-°C	4.22 µin/in-°F	
Thermal Conductivity	70.0 W/m-K	486 BTU-in/hr-ft ² -°F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00203 ohm-cm	0.00203 ohm-cm	

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