

## Poco Graphite AXM-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-AXM-5Q-Industrial-Grade-Graphite.php](http://www.lookpolymers.com/polymer_Poco-Graphite-AXM-5Q-Industrial-Grade-Graphite.php)

Physical Properties	Metric	English	Comments
Apparent Bulk Density	1.73 g/cc	0.0625 lb/in <sup>3</sup>	
Open Porosity	85 %	85 %	
Porosity	23 %	23 %	
Particle Size	5.0 µm	5.0 µm	
Pore Size	0.800 microns	0.0315 mil	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	72	72	
Tensile Strength, Yield	48.0 MPa	6960 psi	
Elongation at Yield	0.99 %	0.99 %	
Modulus of Elasticity	10.5 GPa	1520 ksi	
Flexural Strength	69.0 MPa	10000 psi	
Compressive Strength	124 MPa	18000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	7.80 µm/m-°C	4.33 µin/in-°F	
Thermal Conductivity	88.0 W/m-K	611 BTU-in/hr-ft <sup>2</sup> -°F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00165 ohm-cm	0.00165 ohm-cm	

**Contact Songhan Plastic Technology Co.,Ltd.**

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