

## Poco Graphite HPD Semiconductor Grade Graphite

Category : Carbon , Graphite

**Material Notes:**

Although it is impossible to identify differences between various grades of graphite by looking at them, each grade has a special set of characteristics and physical properties that determine their performance under specific conditions. The manufacturing process for each grade is tightly controlled to produce materials that have a uniform microstructure and the right balance of strength, grain size and hardness to offer optimum performance for their intended applications.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Poco-Graphite-HPD-Semiconductor-Grade-Graphite.php](http://www.lookpolymers.com/polymer_Poco-Graphite-HPD-Semiconductor-Grade-Graphite.php)

Physical Properties	Metric	English	Comments
Apparent Bulk Density	1.77 g/cc	0.0639 lb/in <sup>3</sup>	
Particle Size	5.0 µm	5.0 µm	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	
Tensile Strength, Yield	60.0 MPa	8700 psi	Estimated at 70% of flexural strength
Flexural Strength	90.0 MPa	13100 psi	
Compressive Strength	150 MPa	21800 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	8.10 µm/m-°C	4.50 µin/in-°F	
Thermal Conductivity	85.0 W/m-K	590 BTU-in/hr-ft <sup>2</sup> -°F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00200 ohm-cm	0.00200 ohm-cm	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China