

## Gwent Electronic Materials P2121112P5 Ammonia Plasma Modified Graphene Nanoplatelets

Category : Carbon

**Material Notes:**

Production Method: Plasma Exfoliation of Natural Graphite  
Color: Black/Grey  
Trial product which has not yet been extensively tested.  
Information provided by Gwent Electronic Materials Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Gwent-Electronic-Materials-P2121112P5-Ammonia-Plasma-Modified-Graphene-Nanoplatelets.php](http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-P2121112P5-Ammonia-Plasma-Modified-Graphene-Nanoplatelets.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.215 g/cc	0.00777 lb/in <sup>3</sup>	EN ISO 60
Density	2.20 g/cc	0.0795 lb/in <sup>3</sup>	theoretical
Particle Size	0.30 - 5.0 Åµm	0.30 - 5.0 Åµm	TEM
Specific Surface Area	25 m <sup>2</sup> /g	25 m <sup>2</sup> /g	BET Analysis
Thickness	0.0500 microns	0.00197 mil	SEM/TEM

Component Elements Properties	Metric	English	Comments
Carbon, C	96.28 %	96.28 %	XPS
Nitrogen, N	0.57 %	0.57 %	XPS
Oxygen, O	2.85 %	2.85 %	XPS
Silicon, Si	<= 0.010 %	<= 0.010 %	XPS

Descriptive Properties	Value	Comments
Zeta Potential, mV	-45.2	LD

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

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