

Gwent Electronic Materials P2121112P3 Tetrafluoromethane 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-P2121112P3-Tetrafluoromethane-Plasma-Modified-Graphene-Nanoplatelets.php

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

Component Elements Properties	Metric	English	Comments
Carbon, C	83.66 %	83.66 %	XPS
Fluorine, F	11.23 %	11.23 %	XPS
Nitrogen, N	<= 0.010 %	<= 0.010 %	XPS
Oxygen, O	4.82 %	4.82 %	XPS
Silicon, Si	<= 0.010 %	<= 0.010 %	XPS

Descriptive Properties	Value	Comments
Zeta Potential, mV	-24.7	LD

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