

Gwent Electronic Materials P2121112P14 Nitrogen Plasma Modified Single and Double Walled Carbon Nanotubes

Category : Carbon

Material Notes:

Production Method: CVD
Color: Black
Some free amorphous carbon was detected.
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-P2121112P14-Nitrogen-Plasma-Modified-Single-and-Double-Walled-Carbon-Nanotubes.php

Physical Properties	Metric	English	Comments
Bulk Density	0.190 g/cc	0.00686 lb/in ³	EN ISO 60
Density	1.70 - 1.90 g/cc	0.0614 - 0.0686 lb/in ³	theoretical
Specific Surface Area	70 - 80 m ² /g	70 - 80 m ² /g	BET Analysis

Component Elements Properties	Metric	English	Comments
Carbon, C	85.97 %	85.97 %	XPS
Fluorine, F	1.59 %	1.59 %	XPS
Nitrogen, N	3.5 %	3.5 %	XPS
Oxygen, O	8.8 %	8.8 %	XPS
Silicon, Si	<= 0.010 %	<= 0.010 %	XPS

Descriptive Properties	Value	Comments
Nanotube Length, nm	1000	SEM
Nanotube Outer Diameter, nm	1-5	SEM
Zeta Potential, mV	14.1	LDE

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