

Goodfellow HDPlas® GNP Plasma Functionalized Graphene Nanoplatelets

Category : Carbon

Material Notes:

Graphene is a carbon based material which is inherently inert and which does not like to mix with, or bond to, other materials. Its excellent properties can only be fully realized when this fundamental hurdle is overcome, and it can be properly dispersed and covalently bonded into matrices such as epoxy resins. HDPlas® GNP have high mechanical strength; high electrical conductivity; high thermal conductivity; and high surface area. Production process: Source is exfoliated natural graphite; Plasma treatment functionalizes nanomaterial and facilitates dispersion for enhanced application properties. HDPlas® GNP is also available functionalized with oxygen, nitrogen, ammonia, fluorocarbon, argon, or acid vapor (-COOH).

Order this product through the following link:

http://www.lookpolymers.com/polymer_Goodfellow-HDPlas-GNP-Plasma-Functionalized-Graphene-Nanoplatelets.php

Physical Properties	Metric	English	Comments
Bulk Density	0.215 g/cc	0.00777 lb/in ³	EN ISO 60
Particle Size	0.30 - 0.50 µm	0.30 - 0.50 µm	Planar Size
Specific Surface Area	20 m ² /g	20 m ² /g	BET Analysis
Thickness	<= 0.0500 microns	<= 0.00197 mil	

Descriptive Properties	Value	Comments
Form Supplied	Dry powder	
Graphene Layers	10 to 100	

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