

**Matreial Data Sheet** 

技术数据表

NFD Composite Material (Jiangsu) Co., Ltd

# Hepla® H1000 CF EC

## **Material Description:**

Hepla® H1000 CF EC is a Polypropylene (PP) product filled with carbon fiber. Characteristics include: ESD Protection, Electrically Conductive.

<ul> <li>Commercial: Active</li> <li>Asia Pacific</li> <li>Europe</li> <li>Middle East</li> <li>Carbon Fiber</li> <li>Electrically Conductive</li> <li>Low Density</li> <li>RoHS Compliant</li> <li>Injection Molding</li> </ul>		<ul> <li>North America</li> <li>Latin America</li> <li>Africa</li> <li>ESD Protection</li> <li>Chemical Resistant</li> </ul>	
<ul> <li>Europe</li> <li>Middle East</li> <li>Carbon Fiber</li> <li>Electrically Conductive</li> <li>Low Density</li> <li>RoHS Compliant</li> <li>Injection Molding</li> </ul>		<ul><li>Latin America</li><li>Africa</li><li>ESD Protection</li></ul>	
<ul> <li>Middle East</li> <li>Carbon Fiber</li> <li>Electrically Conductive</li> <li>Low Density</li> <li>RoHS Compliant</li> <li>Injection Molding</li> </ul>		Africa     ESD Protection	
<ul> <li>Carbon Fiber</li> <li>Electrically Conductive</li> <li>Low Density</li> <li>RoHS Compliant</li> <li>Injection Molding</li> </ul>		ESD Protection	
<ul><li>Electrically Conductive</li><li>Low Density</li><li>RoHS Compliant</li><li>Injection Molding</li></ul>			
<ul><li>Low Density</li><li>RoHS Compliant</li><li>Injection Molding</li></ul>			
RoHS Compliant Injection Molding		Chemical Resistant	
Injection Molding			
, -			
Typical Value		Test M	etho
0.96	a/cm³	ASTM	D79
0.1 to 0.4	%	ASTM	D95
Typical Value	Unit	Test M	etho
5358	MPa	ASTM	D63
23.5	MPa	ASTM	D63
> 10	%	ASTM	D63
3281	MPa	ASTM	D79
37	MPa	ASTM	D79
328	J/m	ASTM	D482
T. Carl Web.	11.2	Total Ma	- 11
< 1.UE+3	onms·cm	ASTIV	I DZ
< 1.0F   F	a la 100 a	ECD CTA	1111
< 2.0	Sec	LIMP TOTC	1040
Typical Value	Unit		
	0.96 0.1 to 0.4  Typical Value 5358 23.5 > 10 3281 37  Typical Value 163 328  Typical Value < 1.0E+5 < 1.0E+5 < 1.0E+6 < 2.0  Typical Value 68.9 to 103	0.96 g/cm³ 0.1 to 0.4 %  Typical Value Unit 5358 MPa 23.5 MPa > 10 % 3281 MPa 37 MPa  Typical Value Unit 163 J/m 328 J/m  Typical Value Unit < 1.0E+3 ohms·cm  < 1.0E+5 ohms < 1.0E+6 ohms < 2.0 sec  Typical Value Unit 68.9 to 103 MPa 191 to 232 ℃ 32 to 66 ℃ 79 ℃	0.96 g/cm <sup>3</sup>

## NOTES:

 $<sup>^{1}</sup>$  MIL-PRF-81705D,5kV to 50 V,12% RH  $\,$ 

## NFD ADVANCED COMPOSITES

Hepla® H1000 CF EC

#### CAUTION/警告!

Before using, read the Molding Guide, Material Safety Data Sheets, and Bulletins available from NFD Advanced Composites Sales offices and Distributors supplied to your company. Caution! During drying, purging and molding, small amounts of hazardous gases and/or particulate matter may be released. These may irritate eyes, nose and throat. Use adequate local exhaust ventilation during thermal processing. To prevent resin decomposition, do not contaminate the resin or exceed the recommended melt temperature or hold-up time. Avoid inhalation or skin and eyes contact. Sweep up and dispose of spilled resin to eliminate slipping hazard. 在使用之前,请阅读NFD公司销售办事处和经销商提供给贵公司的材料成型指南 、材料安全数据表和公告。警告! 在干燥、吹扫和成型过程中,少量有害气体或颗粒物质可能会在被释放,这些可能会刺激眼睛,鼻子和喉咙。热处理过程中请注意做好排气通风工作。为防止树脂分解,请勿污染树脂或超过我们为您推荐的熔融温度或时间。请避免吸入或与皮肤、眼睛等接触。清扫和处理溢出的树脂,以消除滑到的危险。

#### LEGAL NOTICES/法律声明

The figures indicated here are approximate values. They may be affected by different factors, and the user is not released therefore from the obligation of performing checks and trials of his own. The values indicated here have been compiled on the basis of current tests and findings. Any legally binding guarantee of certain properties, or any suitability for a specific application can not be inferred from the present data. For detailed production regulatory information, contact customer service.

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#### COMPANY/公司:

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感谢您访问新孚达(NFD)! 我们秉承"New Formula Designer"的发展理念,将科研创新与生产应用紧密相连, 无论您是设计师、工程师或者是采购专家, 我们都可以帮助您拓展业务并获得新的灵感 。 我们坚持诚信、合作、效率、创新的核心价值观,始终把客户放在第一位。相比于我们的竞争对手, 我们专注于为您提供更先进的技术配方、 更优质的产品, 更好的解决方案及更周到的售后服务, 我们懂市场、我们懂产品、我们更懂你们。

## **CONTACT:**

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