

Matreial Data Sheet

技术数据表

NFD Composite Material (Jiangsu) Co., Ltd

Hepla® H2010CF

Material Description:

Hepla® H2010CF is a Polyphenylene Ether(PPE) product filled with 10% carbon fiber. Characteristics include: Hydrolysis Stable.

Material Status	Communication			
Asia Pacific North America	General			
Pubblish	Material Status			NI II A
Middle East	Availability			
Filter/Reinforcement				
Hydrolysis Stable Good Dimensional Stability				Atrica
Creep Resistant Heat Resistant	Filler/Reinforcement		Weight	
Cortect Manufacturer				· · · · · · · · · · · · · · · · · · ·
Appearance		<u> </u>		Heat Resistant
Pellets	<u>.</u>			
Processing Method Physical Properties Typical Value Specific Gravity Molding Shrinkage - Flow (3.20 mm) No.1				Natural Color
Physical Properties Typical Value Unit Test Method Specific Gravity 1.15 g/cm³ ASTM D792 Molding Shrinkage - Flow (3.20 mm) 0.1 % ASTM D955 Mechanical Properties Typical Value Unit Test Method Tensile Modulus 10521 MPa ASTM D638 Tensile Elongation(Break) 1.3 % ASTM D638 Flexural Modulus 8701 MPa ASTM D790 Flexural Strength 135.9 MPa ASTM D790 Impact Properties Typical Value Unit Test Method Notched Izod Impact(3.2mm) 78.7 J/m ASTM D256 Unnotched Izod Impact(3.2mm) 199 J/m ASTM D4812 Flammability Typical Value Unit Test Method Flame Rating(1.6mm) HB UL 94 Electrical Properties Typical Value Unit Test Method Volume Resistivity 1.00E+04 Ohms-cm ASTM D257 Thermal Properties Typical Value Unit Test Method Deflection Temperature Under Load 1.43 °C <				
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Mold Temperature $38 \text{ to } 82 \text{ °C}$ Rear Temperature $205 \text{ to } 260 \text{ °C}$ Middle Temperature $205 \text{ to } 260 \text{ °C}$	Processing Information	Typical Value	Unit	
Rear Temperature205 to 260 °CMiddle Temperature205 to 260 °C	Injection Pressure		MPa	
Middle Temperature 205 to 260 ℃	Mold Temperature	38 to 82	$^{\circ}\!\mathbb{C}$	
<u> </u>	Rear Temperature	205 to 260	°C	
	Middle Temperature	205 to 260	°C	
	Front Temperature	205 to 260	°C	

NFD ADVANCED COMPOSITES

Hepla® H2010CF

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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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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