

Matreial Data Sheet

技术数据表

General

NFD Composite Material (Jiangsu) Co., Ltd

Hepla® H7200 MS

Material Description:

Hepla ® H7230GF is a Polyamide 66 (Nylon 66) product filled with Molybdenum Disulfide.Characteristics include:Lubricated.

Specific Gravity	delici ai			
National Properties Specific Gravity Specific	Material Status	• Commercial: Active		
Middle East		• Asia Pacific		• North America
Filler/Reinforcement	Availability	• Europe		• Latin America
Features Creep Resistant Electrically Insulating Low CLTE		• Middle East		• Africa
Electrically Insulating	Filler/Reinforcement	• Molybdenum Disulfide Lu	ıbricant	
Features Fatigue Resistant Low Shrinkage - High Impact Resistance Low Warpage - Wear Resistant - Lubricated - Wearher Resistant - High Temperature Stiffness - Warther Resistant - High Temperature Stiffness - Aircraft Applications - Consumer Applications - Automotive Applications - Industrial Applications - RoHS Compliance - Contact Manufacturer - Processing Method - Injection Molding	Features	• Creep Resistant		 Hot Water Moldability
High Impact Resistance Wear Resistant Weather Res		• Electrically Insulating		• Low CLTE
+ High Impact Resistant - Wear Resistant - Wear Resistant - Wear Resistant - Weather Resistant - Aircraft Applications - Automotive Applications - Automotive Applications - Automotive Applications - Automotive Applications - Industrial Applications - Industrial Applications - Industrial Applications - Industrial Applications - Industrial Applications - Industrial Applications - Industrial Applications - Industrial Applications - Industrial Applications - Industrial Applications - Industrial Applications - Industrial Applications - Industrial Applications - Industrial App		• Fatigue Resistant		• Low Shrinkage
Weather Resistant High Temperature Stiffness		• High Impact Resistance		• Low Warpage
Uses - Aircraft Applications - Automotive Applications - Automotive Applications - Industrial A		• Wear Resistant		• Lubricated
ROHS Compliance Processing Method Physical Properties Specific Gravity Molding Shrinkage—Flow (3.2mm) Noisture Content Mechanical Properties Typical Value Test Method Tensile Modulus Tensile Strength Tensile Elongation (Yield) Tensural Modulus Tensile Strength Tensile Strength Tensile Strength Tensile Strength Tensile Elongation (Yield) Tensile Strength Tensil		• Weather Resistant		• High Temperature Stiffness
*Automotive Applications *Industrial Applications *RoHS Compliance	II	• Aircraft Applications		• Consumer Applications
Processing Method • Injection Molding Physical Properties Typical Value Unit Test Metho Specific Gravity 1.18 g/cm³ ASTM D79 Molding Shrinkage-Flow (3.2mm) 1 to 1.5 % ASTM D95 Moisture Content 0.2 % *** Mechanical Properties Typical Value Unit Test Metho Tensile Modulus 4237 MPa ASTM D63 Tensile Elongation (Yield) 4 to 5.9 % ASTM D63 Flexural Modulus 3375 MPa ASTM D63 Flexural Strength 128.5 MPa ASTM D79 Impact Properties Typical Value Unit Test Metho Notched Izod Impact (3.2mm) 42.2 J/m ASTM D48 Electrical Properties Typical Value Unit Test Metho Volume Resistivity 1E14 to 1E16 Ohms:cm ASTM D25 Flammability Typical Value Unit Test Metho Ignition Resistance Inflammability (1.5mm) HB ASTM D63	Uses	• Automotive Applications	3	 Industrial Applications
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Specific Gravity	Processing Method	• Injection Molding		
Specific Gravity	Physical Properties	Typical Value	Unit	Test Method
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Flammability Typical Value Unit Test Metho Ignition Resistance 1 HB ASTM D63 Flammability (1.5mm)		· ·		
Ignition Resistance ¹ HB ASTM D63 Flammability (1.5mm)	volume Resistivity	1E14 to 1E16	Unms·cm	ASIM DZ57
Flammability (1.5mm) HB ASIM D63		Typical Value	Unit	Test Method
Thermal Properties Typical Value Unit Test Metho		НВ		ASTM D635
	Thermal Properties	Typical Value	Unit	Test Method

Processing Information	Typical Value	Unit
Injection Pressure	70 to 125	5 MPa
Melt Temperature	275 to 301	I ℃
Mold Temperature	65 to 108	3 ℃
Drying Temperature	79	9 ℃
Drying Time	4	4 hr
Dew Point	-18	8 ℃

Notes: Desiccant Type Dryer Required.

NFD ADVANCED COMPOSITES

Hepla® H7200 MS

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. 上列数据只作参考用途,它们可能会受不同因素的影响,使用者有责任通过实验自行确定材料特性。上述资料根据现有测试得出,对物料特性是否适合某特殊用途及特性不能给予保证,数据也没有任何法律约束力。更多有关详细的产品监管信息,请联系客户服务

COMPANY/公司:

Welcome to NFD, where the concept of "New Formula Designer" is upheld and scientific innovation and production are intertwined. Whether you are a designer, engineer or procurement expert, we can help you expand your business and get new inspiration. We adhere to the core values of credibility and integrity, cooperation, efficiency, and innovation, and always put our customers first. Compared with our competitors, we focus on providing more advanced technical formulation, better quality products, more efficient solutions and more thoughtful after-sales services. We understand the markets, the products, and you even more. 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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¹ This rating is not intended to reflect hazards of this or any other material under actual fire conditions.