

Hepla® H7215AF 10TF

Material Description:

Hepla® H7215AF 10TF is a Polyamide 66 (PA 66) product filled with 15% aramid fiber and 10% PTFE. Characteristics include: Lubricated, Wear Resistant.

General

Material Status	• Commercial: Active	
Availability	• Asia Pacific	• North America
	• Europe	• Latin America
	• Middle East	• Africa
Filler/Reinforcement	• Aramid Fiber, 15% Filler By Weight	
Additive	• PTFE Lubricant:10%	
Features	• Creep Resistant	• Hot Water Moldability
	• Electrically Insulating	• Low CLTE
	• Fatigue Resistant	• Low Shrinkage
	• High Impact Resistance	• Low Warpage
	• High Temperature Stiffness	• Wear Resistant
	• Lubricated	• Heat Resistant
	• Weather Resistant	
Uses	• Aircraft Applications	• Consumer Applications
	• Automotive Applications	• Industrial Applications
RoHS Compliance	• Contact Manufacturer	
Processing Method	• Injection Molding	

Physical Properties	Typical Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Molding Shrinkage-Flow (3.2mm)	1 to 1.5	%	ASTM D955
Moisture Content	0.2	%	

Mechanical Properties	Typical Value	Unit	Test Method
Tensile Modulus	3598	MPa	ASTM D638
Tensile Strength	84.5	MPa	ASTM D638
Tensile Elongation (Yield)	4 to 6.6	%	ASTM D638
Flexural Modulus	3852	MPa	ASTM D790
Flexural Strength	137	MPa	ASTM D790

Impact Properties	Typical Value	Unit	Test Method
Notched Izod Impact (3.2mm)	54.2	J/m	ASTM D256
Unnotched Izod Impact (3.2mm)	541	J/m	ASTM D4812

Flammability	Typical Value	Unit	Test Method
Flame Rating (1.5 mm)	HB		UL 94

Electrical Properties	Typical Value	Unit	Test Method
Volume Resistivity	1E14 to 1E16	Ohm-cm	ASTM D257

Thermal Properties	Typical Value	Unit	Test Method
Deflection Temperature Under Load 1.8MPa Unannealed	149	°C	ASTM D648

Processing Information	Typical Value	Unit
Injection Pressure	70 to 125	MPa
Melt Temperature	275 to 301	°C
Mold Temperature	65 to 108	°C

Drying Temperature	79 °C
Drying Time	4 hr
Dew Point	-18 °C

Injection Notes: Desiccant Type Dryer Required.

NFD ADVANCED COMPOSITES

Hepla® H7215AF 10TF

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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