

Matreial Data Sheet

技术数据表 NFD Composite Material (Jiangsu) Co., Ltd

Elastever® E2052A HF

Material Description:

Elastever® E2052A HF is a unreinforced Thermoplastic Vulcanizate (TPV) product. Characteristics include: High Flow.

Actail Status	General			
Availability Europe Latin America Middle East Africa High Resilience Ageing Resistant Good Processability Electrical Insulation Forms Pellets RoHS Compliance RoHS Compliant Processing Method Injection Molding	Material Status	 Commercial: Active 		
Middle East	Availability	Asia Pacific		North America
High Resilience Ageing Resistant		• Europe		Latin America
Good Processability Environmental Protection		Middle East		Africa
Features Low Density Weather Resistant	Features	 High Resilience 		Ageing Resistant
* Low Density * Weather Resistant * Electrical Insulation * Electrical Insulat		Good Processability		Environmental Protection
Forms • Pellets ROHS Compliance • RoHS Compliant Processing Method • Injection Molding Physical Properties Typical Value Unit Test Method Density/Specific Gravity 1 g/cm³ ASTM D792 Molding Shrinkage - Flow (3.20 mm) 1.9 to 2.1 % ASTM D955 Moisture Content < 0.08 %		Low Density		Weather Resistant
Processing Method Processing Me		Electrical Insulation		
Physical Properties Physical Properties Density/Specific Gravity Total Value T	Forms	Pellets		
Physical Properties Typical Value Unit Test Method Density/Specific Gravity 1 g/cm³ ASTM D792 Molding Shrinkage - Flow (3.20 mm) 1.9 to 2.1 % ASTM D955 Moisture Content < 0.08 %	RoHS Compliance	RoHS Compliant		
Density/Specific Gravity 1 g/cm³ ASTM D792 Molding Shrinkage - Flow (3.20 mm) 1.9 to 2.1 % ASTM D955 Moisture Content < 0.08 %	Processing Method	 Injection Molding 		
Density/Specific Gravity 1 g/cm³ ASTM D792 Molding Shrinkage - Flow (3.20 mm) 1.9 to 2.1 % ASTM D955 Moisture Content < 0.08 %	Physical Properties	Typical Value	Unit	Test Method
Molding Shrinkage - Flow (3.20 mm) 1.9 to 2.1 % ASTM D955 Moisture Content < 0.08 % Hardness Typical Value Unit Test Method Durometer Hardness (Shore A, 10 sec) 52 ASTM D2240 Elastomers Typical Value Unit Test Method Tensile Strength ¹ (Break, 3.2mm) 4 MPa ASTM D412 Tensile Elongation ¹ (Break) 650 % ASTM D412 Tear Strength, Die C 18 KN/m ASTM D624 Impact Properties Typical Value Unit Test Method Notched Izod Impact(3.2mm) No Break ASTM D256 Unnotched Izod Impact(3.2mm) No Break ASTM D4812 Processing Information Typical Value Unit Injection Pressure 68.9 to 103 MPa Processing (Melt) Temp 193 to 210 ℃ Mold Temperature 10 to 79 ℃ Drying Temperature 79 ℃				
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Processing (Melt) Temp193 to 210°CMold Temperature10 to 79°CDrying Temperature79°C	Processing Information	Typical Value	Unit	
Mold Temperature 10 to 79 °C Drying Temperature 79 °C		68.9 to 103	MPa	
Drying Temperature 79 °C				
, 6	Processing (Melt) Temp	193 to 210	$^{\circ}\!\mathbb{C}$	
Drying Time 3 to 4 hr				
	Mold Temperature	10 to 79	$^{\circ}\! \mathbb{C}$	

NOTES:

¹ Die C,500 mm/min

NFD ADVANCED COMPOSITES

Elastever® E2052A HF

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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