

## 2700F

### 产品介绍 Description

PA66, 快速成型, 易脱模, 注塑级, 自然色

PA66, Fast Processing, easy remolding, Injection Molding Grade, Natural color

### 应用领域 Application

汽车, 电子电气, 工业等。

Automobile industry, Electronic and electrical, Manufacturing, etc.

### 物理形态和储存 Physical Form and Storage

产品以干态供货, 一般为圆柱状颗粒, 用防潮袋包装, 便于使用。标准包装形式是二十五公斤袋装, 也可以根据协议提供其他形式的包装。所有包装都是密封的, 应该在加工使用前才可打开。为避免干燥的材料从空气中吸收水分, 必须储存在干燥的房间。如果取出部分材料后必须再仔细密封包装。

产品可以无限期地保存在未破损的袋中。经验显示材料储存在散装桶三个月, 吸水对加工性能没有任何不良影响。储存在冷藏室的, 应使其达到常温平衡, 这样颗粒不会有冷凝水。

The products are supplied in dry state, generally cylindrical pellets, packaged in moisture-proof bags for ease of use. The standard packing form is 25kg bag, and other forms of packaging can also be provided according to the agreement. All packages should be sealed and opened before processing. The products must be stored in a dry room to prevent the dry material from absorbing moisture from the air. If some materials are taken out, you must carefully seal the package.

The products can be maintained in undamaged bags. Experience shows that the materials are stored in bulk tanks for three months and water absorption has no adverse effect on process ability. The materials that are stored in a cold closet should reach room temperature equilibrium to avoid the particles with condensation.

当产品在建议的条件下加工, 熔体是稳定的不会因为高分子降解产生有害的物质和气体。如同其他热塑性聚合物一样, 当给予过度的热能, 如过度加热, 或者燃烧清洁, 产品会降解。详细信息 可以参考物质安全资料表。

If the product is processed under recommended conditions, the melt is stable, harmful substances and gases will not produce by degradation of high molecular weight polymer. Like other thermoplastic polymers, products degrade when given excessive heat, such as overheating, or combustion cleaning. Refer to the MSDS for details.

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未着色产品的典型值在 23℃ 以下。(Typical value of uncolored product is below 23 °C)

项目 Items	测试方法 Standard	测试条件 Condition	单位 Unit	典型值 Typical Value
<b>物理性能 Physical properties</b>				
密度 Density	ISO 1183	---	g/cm <sup>3</sup>	1.14
成型收缩率 Molding Shrinkage	内部 Internal	平行 (Parallel)	%	1.4
		垂直 (Normal)	%	2.0
灰分 Ash Content	ISO 3451	750°C,0.5h	%	/
熔体温度(差示扫描量热法) Melt Temperature (DSC)	ISO 11357	20°C/min	°C	260
<b>力学性能 Mechanical properties</b>				
拉伸强度 Stress at Break	ISO 527	50mm/min	MPa	75
断裂伸长率 Strain at Break	ISO 527	50mm/min	%	4.5
拉伸模量 Tensile Modulus	ISO 527	50mm/min	MPa	3000
弯曲强度 Flexural Strength	ISO 178	2mm/min	MPa	100
弯曲模量 Flexural Modulus	ISO 178	2mm/min	MPa	2600
简支梁冲击强度, 缺口 Charpy Impact Strength, Notched	ISO 179	23°C	kJ/m <sup>2</sup>	3.5
简支梁冲击强度, 无缺口 Charpy Impact Strength, Unnotched	ISO 179	23°C	kJ/m <sup>2</sup>	NB
<b>热性能 Thermal properties</b>				
热变形温度 HDT	ISO 75	1.80MPa	°C	68
<b>阻燃性能 Flammability</b>				
可燃性 Flammability	UL94	1.6mm	---	V-2



建议加工条件 Suggested Processing Condition		
烘料温度（除湿式干燥机） Drying Temperature (Dehumidifying dryer)	°C	80-100
烘料时间（除湿式干燥机） Drying Time (Dehumidifying dryer)	h	4-6
建议水分含量 Processing Moisture Content	%	<0.15
熔体温度 Melt Temperature	°C	260-290
模具温度 Mold Temperature	°C	75-100

1) 染色料的性能可能与以上数值有不同。所有数据是在 23°C、50%相对湿度的环境中存放 24 小时后测试所得。除熔融指数和灰分外的其他性能均使用注塑样条进行测试。

Variations within normal tolerances are possible for various colors. All values are measured at least 24 hours storage at 23°C/50%RH. All properties, except the melt flow rates and the ash content, are measured on injection molded samples.

2) 典型值是指实验平均数据，仅用于使用时的参考，不作为产品的标准。

Only typical data for selection purposes. Property values are the average experimental data, when used only for reference, not as a product standard.

3) 燃烧性能的结果仅为小规模实验室测试所得，不能反映灾害或任何其他材料在实际火灾中的燃烧情况。

Flammability results are based on small-scale laboratory tests for purposes of relative comparison and are not intended to reflect the hazards presented by this or any other material under actual fire conditions.

### 免责声明

此份技术资料表所显示的数据仅对测试样品负责。由于不同的成型设备与成型条件将导致不同的结果，以上数据不能代表使用者利用此材料所制作出的成品之实际性质，仅供参考。注：对于只提供着色粒子的产品，测定值针对于表中所指定的特殊色。

### Disclaimer

The figures shown in this technical data sheet refer to only to the sample(s) tested. Due to different facilities and processing conditions will lead to different results, the data herein is just for reference and cannot represent the real properties of user's products that is made of this material. Note: For products that only provide colored particles, the measured values are for the special colors specified in the table.

