Product Information

PA66 GF20

20%玻璃纤维增强尼龙66，中等刚性，良好的电气绝缘性。
20% Glass fiber reinforced PA66,medium stiffness,good electrically insulating.

性 能 Properties	测试标准 Test Standards	测试条件 Test Conditions	单位 Units	典型值 Typical Values
物理性能 Physical				
密度 Density	D792	23℃	g/cm^3	1.28
灰份含量 Ash Content	D2584	__	%	20
收缩率 Mold Shrinkage	D955	23℃,flow	%	0.75
	D955	23℃,xflow	%	0.75
吸湿率 Moisture Absorption	D570	23℃/24h.	%	1.9-2.5
阻燃性 Flammability	UL94	3.2mm	__	HB
机械性能 Mechanical				
拉伸强度 Tensile Strength	D638	5mm/min	Mpa	145
伸长率 Elongation at break	D638	5mm/min	%	4
弯曲强度 Flexural Strength	D790	2mm/min	Mpa	195
弯曲模量 Flexural Modulus	D790	2mm/min	Mpa	6000
冲击强度Impact Strength,IZOD Unnotched	D256	23℃	kJ/m^2	__
缺口冲击强度Impact Strength,IZOD Notched	D256	23℃	kJ/m^2	9
缺口冲击强度Impact Strength,IZOD Notched	D256	-20℃	kJ/m^2	__
热性能 Thermal				
热变形温度Heat Deflection Temperature	D648	1.80Mpa	℃	235
热变形温度Heat Deflection Temperature	D648	0.45Mpa	℃	245
电性能 Electrical				
表面电阻率 Saface Resistivity	D257	23℃	Ω	10 ^{12}
体积电阻率 Volume Resistivity	D257	23℃	Ω.cm	10 ^{13}
介电强度 Dielectric Strength	D149	2mm,in oil	Kv/mm	__

1)染色料的性能可能与以上数值有不同。所有数据是在 23℃、50%相对湿度的环境中测试所得。除流动指数外的其它性能使用注塑样条测试。
Variations within normal tolerances are possible for various colors. All values are measured at 23℃/50% relative humidity. All properties, except the melt flow rates, 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 is the average experimental data, when used only for reference, not as a product standards.

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加工条件 Processing Conditions

项目 Item	工艺范围 Range
熔体温度 Melt Temp.	270-295℃
料筒温度 Front - Zone 3 Temperature	280-310℃
料筒温度 Middle - Zone 2 Temperature	280-300℃
料筒温度 Rear - Zone 1 Temperature	260-280℃
模具温度 Mold Temp.	60-90℃
注塑速度 Injection Speed	Moderate to high
背压 Back Pressure	0.1-0.2Mpa
预干燥 Pre-Drying Temperature	90-100℃
预干燥 Pre-Drying time	4-6hr
最大含湿量 Maximum Moisture Content	0.03%

以上数值为实验室测得，实际可能会有所不同，可根据不同机型、不同模具以及产品要求，做适当调整。
Measurements made from laboratory test coupon. Actual shrinkage may vary outside of range due to differences in processing conditions, equipment, part geometry and tool design. It is recommended that mold shrinkage studies be performed with surrogate or legacy tooling prior to cutting tools for new molded article.

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燃烧性能

燃烧性能的结果是小规模的实验室检测的情况,不能反映灾害或任何其他材料在实际火灾条件。

Flammability

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.

安全防护

使用这些产品之前,你必须阅读和熟悉安全与防护方面的信息,了解他们的危害及正确使用和处理。相关信息有,材料安全数据表(MSDS)和产品标签。

Health and Safety

Before working with these products, you must read and become familiar with the safety and protection of information on their hazards, proper use, and handling. Relevant information is material safety data sheets (MSDS) and product labels.