

名称: **PPGF50**
 牌号: **P109G**



产品简介 Product Description	主要应用 Applications
·50%玻纤增强PP 50% glass fiber reinforced PP	·注塑成型 Injection molding
·良好的机械性能 Good mechanical properties balance	

性能 Properties	测试标准 Test Method	测试条件 Test Condition	单位 Unit	典型值 Typical Values
物理性能 Physical properties				
密度 Specific Gravity	ISO 1183	23°C	g/cm ³	1.29
灰份 Ash	ISO 3451	800°C,30min	%	50
机械性能 Mechanical properties				
拉伸强度 Tensile Strength	ISO 527	5mm/min	MPa	110
拉伸模量 Tensile Modulus	ISO 527	1mm/min	MPa	11500
断裂伸长率 Elongation at Break	ISO 527	5mm/min	%	1
弯曲强度 Flexural Strength	ISO 178	2mm/min	MPa	170
弯曲模量 Flexural Modulus	ISO 178	2mm/min	MPa	10000
简支梁无缺口冲击强度 Unnotched Charpy Impact Strength	ISO 179-1/1fU	23°C	kJ/m ²	48
简支梁缺口冲击强度 Notched Charpy Impact Strength	ISO 179-1/1eA	23°C	kJ/m ²	10
热性能 Thermal properties				
热变形温度 Heat deflection temperature	ISO 75	1.80MPa	°C	152
熔点 Melt point	ISO 11375	DSC	°C	163
其它性能 Other properties				
收缩率 Mold Shrinkage ⁽¹⁾	internal test method	flow direction	%	0.10-0.20
		cross flow direction	%	0.70-0.80
阻燃性 Flammability	ISO 3795	—	mm/min	32

说明: 以上数据是典型值, 不是保证值。根据模具设计, 例如浇口类型, 浇口分布, 浇口数量的不同, 注塑工艺和制件厚度的不同, 测试结果会有波动。不同的颜色, 测试结果也会有波动。在使用材料之前, 请咨询旭光聚合物有限公司。

Note: The data above is typical value for reference, not guarantee value. The data will vary with tool design such as gate type , gate location, gate number, injection molding process and part thickness. The data will vary with different color as well. Prior to use the material, please consult with Sunway polymer.

典型加工条件 Processing Conditions ⁽²⁾		参考范围 Range ⁽²⁾
熔体温度 Melt Temperature		220-250°C
料筒温度 Barrel Temperature	后段, Rear	220--230°C
	中段, Center	230--240°C
	前段, Front	240--250°C
模具温度 Mold Temperature		70-80°C
预干燥 Pre-Dry needed		90-110°C, 2-4h

说明: (1) 收缩率板的尺寸为: 210*140*2.8mm。由于制件厚度, 浇口数量, 类型不同, 收缩率会有变化; 开模之前, 最好在类似的模具上试模;

(2) 以上数值仅供注塑机参考使用, 可根据不同机型、不同模具以及产品要求, 对上述工艺做适当调整。

Note: (1) The dimension of shrinkage plaque is 210*140*2.8mm. The part's shrinkage will have deviation due to part thickness, number of gate and type of gate; It is better to do mold trial on similar tool before cutting a new tool.

(2) The above process condition is only for reference. The actual process should be adjusted according to different type of machine, mold design and product design.

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