

名 称: PPLGF40

牌 号: P707LG



产品简介 Product Description	主要应用 Applications
-40% PP 40% long glass fiber reinforced PP	Injection molding
Excellent heat resistance performance	Excellent mechanical properties, especially low temperature impact performance

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				
Specific Gravity	ISO 1183	23	g/cm ³	1.21
Ash	ISO 3451	800 ,30min	%	40
机械性能 Mechanical properties				
Tensile Modulus	ISO 527 -1	1mm/min	MPa	10200
Tensile Strength	ISO 527	5mm/min	MPa	134
Elongation at break	ISO 527	5mm/min	%	2
Flexural Modulus	ISO 178	2mm/min	MPa	8850
Flexural Strength	ISO 178	2mm/min	MPa	200
Notched Charpy Impact Strength	ISO 179-1eA	23	kJ/m ²	30
Notched Charpy Impact Strength	ISO 179-1eA	-30	kJ/m ²	37
Unnotched Charpy Impact Strength	ISO 179-1eU	23	kJ/m ²	60
热性能 Thermal properties				
Heat Deflection Temperature	ISO 75	1.80 MPa		156
其它性能 Other properties				
shrinkage ⁽¹⁾	internal method	flow direction	%	0.10-0.20
		cross flow direction	%	0.60-0.80
Flammability	ISO 3795	—	mm/min	30

说明:

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⁾
Melt Temperature		260-280
Barrel Temperature	, Rear	220--250
	, Center	260--265
	, Front	270--280
Mold Temperature		50-80
Pre-Dry needed		90-110 , 2-4h

说明 (1) 210*140*2.8mm

(2)

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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