

**玻纤增强PBT TG10**  
**GlassFiber Reinforced PBT TG10**
**产品信息**
**General Information**

<b>特点</b>	·10%玻纤增强 ·尺寸稳定 ·高强度 ·高耐热
<b>Features</b>	·10% GlassFiber Reinforced ·Excellent Dimensional Stability ·High Rigidity ·High HDT
<b>应用</b>	·电器 ·汽车零部件
<b>Uses</b>	·Electronics ·Automobile parts
<b>RoHS信息</b>	·通过RoHS要求
<b>RoHS Compliance</b>	·RoHS Compliant
<b>形态</b>	·粒子
<b>Forms</b>	·Pellets
<b>加工方法</b>	·注塑
<b>Processing Method</b>	·Injection Molding

**产品性能**
**Product Properties**

<b>物理性能</b>	<b>测试标准</b>	<b>测试条件</b>	<b>单位</b>	<b>典型值</b>
<b>Physical</b>	<b>Test standard</b>	<b>Test Condition</b>	<b>Unit</b>	<b>Nominal value</b>
密度	ISO 1183	23°C,50%H	g/cm <sup>3</sup>	1.36
Specific Gravity				
熔体流动速率	ISO 1133	g/10min	250°C/2.16kg	17
Melt flow rate				
成型收缩率	ISO 294	23°C,50%H	%	1.2-1.4
Mold Shrinkage				
<b>力学性能</b>				
<b>Mechanical</b>				
拉伸强度	ISO 527	50mm/min	MPa	85
Tensile Strength				
断裂伸长率	ISO 527	50mm/min	%	5
Tensile Elongation				
弯曲强度	ISO 178	2.0mm/min	MPa	115
Flexural Strength				
弯曲模量	ISO 178	2.0mm/min	MPa	4100
Flexural Modulus				
悬臂梁缺口冲击强度	ISO 180	23°C,50%H	KJ/m <sup>2</sup>	6
Izod Notched Impact Strength				
<b>热性能</b>				
<b>Thermal</b>				
热变形温度 H.D.T未退火		1.80MPa	°C	160
Heat Deflection Temperture	ISO 75			
(Unannealed)		0.45MPa	°C	205
<b>阻燃性</b>				
<b>Flammability</b>				
水平燃烧	UL-94	23°C,50%H	Class	HB
Horizontal Flammability				

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**注塑信息****Injection**

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干燥温度 Drying Temperature	80-120°C
干燥时间 Drying Time	2-4h
后段温度 Rear Temperature	210°C-225°C
中段温度 Middle Temperature	220°C-240°C
前段温度 Front Temperature	230°C-250°C
喷嘴温度 Nozzle Temperature	250°C-260°C
模温 Mold Temperature	80°C-120°C

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**备注:****Note:**

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1. 所有数据基于本色或特定颜色，仅供选型参考。  
All the data are based on uncolored grades or selected colors, provided for reference in grade selection only.
2. 样条测试前经过23°C 24h的预处理。  
Test Bars pretreated 24h under 23°C before testing.

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