

玻纤增强PBT TG50
GlassFiber Reinforced PBT TG50
产品信息
General Information

| | |
|--------------------------|---|
| 特点 | ·50%玻纤增强 ·尺寸稳定 ·高强度 ·高耐热 |
| Features | ·50% GlassFiber Reinforced ·Excellent Dimensional Stability ·High Rigidity ·High HDT |
| 应用 | ·电器 ·汽车零部件 |
| Uses | ·Electronics ·Automobile parts |
| RoHS信息 | ·通过RoHS要求 |
| RoHS Compliance | ·RoHS Compliant |
| 形态 | ·粒子 |
| Forms | ·Pellets |
| 加工方法 | ·注塑 |
| Processing Method | ·Injection Molding |

产品性能
Product Properties

| 物理性能 | 测试标准 | 测试条件 | 单位 | 典型值 |
|------------------------------|----------------------|-----------------------|-------------------|----------------------|
| Physical | Test standard | Test Condition | Unit | Nominal value |
| 密度 | ISO 1183 | 23°C,50%H | g/cm ³ | 1.73 |
| Specific Gravity | | | | |
| 熔体流动速率 | ISO 1133 | g/10min | 250°C/2.16kg | 20 |
| Melt flow rate | | | | |
| 成型收缩率 | ISO 294 | 23°C,50%H | % | 0.1-0.3 |
| Mold Shrinkage | | | | |
| 力学性能 | | | | |
| Mechanical | | | | |
| 拉伸强度 | ISO 527 | 50mm/min | MPa | 165 |
| Tensile Strength | | | | |
| 断裂伸长率 | ISO 527 | 50mm/min | % | 1.5 |
| Tensile Elongation | | | | |
| 弯曲强度 | ISO 178 | 2.0mm/min | MPa | 260 |
| Flexural Strength | | | | |
| 弯曲模量 | ISO 178 | 2.0mm/min | MPa | 17000 |
| Flexural Modulus | | | | |
| 悬臂梁缺口冲击强度 | ISO 180 | 23°C,50%H | KJ/m ² | 9 |
| Izod Notched Impact Strength | | | | |
| 热性能 | | | | |
| Thermal | | | | |
| 热变形温度 H.D.T未退火 | | 1.80MPa | °C | 213 |
| Heat Deflection Temperture | ISO 75 | | | |
| (Unannealed) | | 0.45MPa | °C | 223 |
| 阻燃性 | | | | |
| Flammability | | | | |
| 水平燃烧 | UL-94 | 23°C,50%H | Class | HB |
| Horizontal Flammability | | | | |

注塑信息

Injection

| | |
|----------------------------|-------------|
| 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-250°C |
| 前段温度 Front Temperature | 240°C-270°C |
| 喷嘴温度 Nozzle Temperature | 260°C-280°C |
| 模温 Mold Temperature | 80°C-120°C |

备注:

Note:

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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