

**玻纤增强PET UG40**  
**GlassFiber Reinforced PET UG40**
**产品信息**
**General Information**

|                          |   |
|--------------------------|---|
| <b>特点</b>                | ·40%玻纤增强 ·尺寸稳定 ·高强度 ·高耐热  |
| <b>Features</b>          | ·40% GlassFiber Reinforced ·Excellent Dimensional Stability ·High Rigidity<br>·High HDT |
| <b>应用</b>                | ·电器   |
| <b>Uses</b>              | ·Electronics  |
| <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> | 1.63                 |
| Specific Gravity             |                      |                       |                   |                      |
| 熔体流动速率                       | ISO 1133             | g/10min               | 275°C/2.16kg      | 20                   |
| Melt flow rate               |                      |                       |                   |                      |
| 成型收缩率                        | ISO 294              | 23°C,50%H             | %                 | 0.2-0.8              |
| Mold Shrinkage               |                      |                       |                   |                      |
| <b>力学性能</b>                  |                      |                       |                   |                      |
| <b>Mechanical</b>            |                      |                       |                   |                      |
| 拉伸强度                         | ISO 527              | 50mm/min              | MPa               | 153                  |
| Tensile Strength             |                      |                       |                   |                      |
| 断裂伸长率                        | ISO 527              | 50mm/min              | %                 | 3                    |
| Tensile Elongation           |                      |                       |                   |                      |
| 弯曲强度                         | ISO 178              | 2.0mm/min             | MPa               | 210                  |
| Flexural Strength            |                      |                       |                   |                      |
| 弯曲模量                         | ISO 178              | 2.0mm/min             | MPa               | 9800                 |
| Flexural Modulus             |                      |                       |                   |                      |
| 悬臂梁缺口冲击强度                    | ISO 180              | 23°C,50%H             | KJ/m <sup>2</sup> | 10                   |
| Izod Notched Impact Strength |                      |                       |                   |                      |
| <b>热性能</b>                   |                      |                       |                   |                      |
| <b>Thermal</b>               |                      |                       |                   |                      |
| 热变形温度 H.D.T未退火               | ISO 75               | 0.45MPa               | °C                | 235                  |
| Heat Deflection Temperature  |                      |                       |                   |                      |
| <b>阻燃性</b>                   |                      |                       |                   |                      |
| <b>Flammability</b>          |                      |                       |                   |                      |
| 水平燃烧                         | UL-94                | 23°C,50%H             | Class             | HB                   |
| Horizontal Flammability      |                      |                       |                   |                      |

**注塑信息**
**Injection**

|                            |           |
|----------------------------|-----------|
| 干燥温度<br>Drying Temperature | 100-120℃  |
| 干燥时间<br>Drying Time        | 2-4h      |
| 后段温度<br>Rear Temperature   | 250℃-260℃ |
| 中段温度<br>Middle Temperature | 260℃-270℃ |
| 前段温度<br>Front Temperature  | 270℃-280℃ |
| 喷嘴温度<br>Nozzle Temperature | 280℃-290℃ |
| 模温<br>Mold Temperature     | 90℃-120℃  |

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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℃24h的预处理。  
Test Bars pretreated 24h under 23℃ before testing.

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