

**增强PC/PBT CTM10**  
**Reinforced PC/PBT CTM10**
**产品信息**
**General Information**

|                          |   |
|--------------------------|---|
| <b>特点</b>                | ·10%矿物增强 ·尺寸稳定 ·高强度 ·高耐热 ·耐化学试剂   |
| <b>Features</b>          | ·10% Mineral Reinforced ·Excellent Dimensional Stability ·High Rigidity<br>·High HDT ·Chemical Resistance |
| <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<br>Specific Gravity  | ISO 1183             | 23°C,50%H             | g/cm <sup>3</sup> | 1.31                 |
| 熔体流动速率<br>Melt flow rate                                      | ISO 1133             | g/10min               | 260°C/5kg         | 30                   |
| 成型收缩率<br>Mold Shrinkage                                       | ISO 294              | 23°C,50%H             | %                 | 0.7-0.9              |
| <b>力学性能</b>   |                      |                       |                   |                      |
| <b>Mechanical</b>   |                      |                       |                   |                      |
| 拉伸强度<br>Tensile Strength                                      | ISO 527              | 50mm/min              | MPa               | 55                   |
| 断裂伸长率<br>Tensile Elongation                                   | ISO 527              | 50mm/min              | %                 | 12                   |
| 弯曲强度<br>Flexural Strength                                     | ISO 178              | 2.0mm/min             | MPa               | 75                   |
| 弯曲模量<br>Flexural Modulus                                      | ISO 178              | 2.0mm/min             | MPa               | 2700                 |
| 悬臂梁缺口冲击强度<br>Izod Notched Impact Strength                     | ISO 180              | 23°C,50%H             | KJ/m <sup>2</sup> | 7                    |
| <b>热性能</b>  |                      |                       |                   |                      |
| <b>Thermal</b>  |                      |                       |                   |                      |
| 热变形温度 H.D.T未退火<br>Heat Deflection Temperature<br>(Unannealed) | ISO 75               | 1.80MPa               | °C                | 82                   |
|   |                      | 0.45MPa               | °C                | 113                  |
| <b>阻燃性</b>  |                      |                       |                   |                      |
| <b>Flammability</b>   |                      |                       |                   |                      |
| 水平燃烧<br>Horizontal Flammability                               | UL-94                | 23°C,50%H             | Class             | HB                   |

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注塑信息

Injection

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|----------------------------|-------------|
| 干燥温度<br>Drying Temperature | 80-100°C    |
| 干燥时间<br>Drying Time        | 2-4h        |
| 后段温度<br>Rear Temperature   | 210°C-230°C |
| 中段温度<br>Middle Temperature | 230°C-250°C |
| 前段温度<br>Front Temperature  | 260°C-270°C |
| 喷嘴温度<br>Nozzle Temperature | 270°C-280°C |
| 模温<br>Mold Temperature     | 80°C-100°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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