

**名称:** PPT40  
**牌号:** P107T-LF BK-M15



| 产品简介 Product Description                    | 主要应用 Applications       |
|---|-------------------------|
| ·40%矿物填充PP 40% mineral filled PP            | ·注塑成型 Injection molding |
| ·良好的机械性能 Good mechanical properties balance |                         |

| 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**

|                     |          |               |                   |      |
|---------------------|----------|---------------|-------------------|------|
| 熔融指数 Melt Flow Rate | ISO 1133 | 230°C, 2.16Kg | g/10min           | 15.0 |
| 密度 Specific Gravity | ISO 1183 | 23°C          | g/cm <sup>3</sup> | 1.22 |
| 灰份 Ash              | ISO 3451 | 800°C,30min   | %                 | 38   |

**机械性能 Mechanical properties**

|                                |         |          |                   |     |
|--------------------------------|---------|----------|-------------------|-----|
| 拉伸强度 Tensile Strength          | ISO 527 | 50mm/min | MPa               | 30  |
| 拉伸模量 Tensile Modulus           | ISO 527 | 1mm/min  | MPa               | —   |
| 断裂伸长率 Elongation at            | ISO 527 | 50mm/min | %                 | 3.5 |
| 弯曲强度 Flexural Strength         | ISO 178 | 2mm/min  | MPa               | 55  |
| 弯曲模量 Flexural Modulus          | ISO 178 | 2mm/min  | MPa               | —   |
| 无缺口冲击强度 Impact Strength        | ISO 179 | 23°C     | kJ/m <sup>2</sup> | 25  |
| 缺口冲击强度 Notched Impact Strength | ISO 179 | 23°C     | kJ/m <sup>2</sup> | —   |

**热性能 Thermal properties**

|                                   |         |         |    |   |
|-----------------------------------|---------|---------|----|---|
| 热变形温度 Heat deflection temperature | ISO 75  | 0.45MPa | °C | — |
|                                   |         | 1.80MPa | °C | — |
| 维卡软化温度 Vicat Softening Temp.      | ISO 306 | 50N     | °C | — |

**其它性能 Other properties**

|                    |                      |                      |        |           |
|--------------------|----------------------|----------------------|--------|-----------|
| 收缩率 Mold Shrinkage | internal test method | flow direction       | %      | 0.50-0.80 |
|                    |                      | cross flow direction | %      | 0.60-0.80 |
| 邵D硬度 Hardness      | ISO 868              | 23°C                 | —      | —         |
| 阻燃性 Flammability   | TL1010               | —                    | mm/min | 31        |

**说明:** 以上数据是典型值, 不是保证值。根据模具设计, 例如浇口类型, 浇口分布, 浇口数量的不同, 注塑工艺和制件厚度的不同, 测试结果会有波动。不同的颜色, 测试结果也会有波动。在使用材料之前, 请咨询旭光聚合物有限公司。

**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 |            | 参考范围 Range     |
|------------------------------|------------|----------------|
| 熔体温度 Melt Temperature        |            | 210-240°C      |
| 料筒温度 Barrel Temperature      | 后段, Rear   | 210--220°C     |
|                              | 中段, Center | 220--230°C     |
|                              | 前段, Front  | 230--240°C     |
| 模具温度 Mold Temperature        |            | 60-70°C        |
| 预干燥 Pre-Dry needed           |            | 90-100°C, 2-4h |

**说明:** 以上数值仅供注塑机参考使用, 可根据不同机型、不同模具以及产品要求, 对上述工艺做适当调整。

**Note:** 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.