



## 性能参数 Properties Data Sheet

| 产品类别<br>Description                              | Toughened PP        |                     | 牌 号<br>Grade           | PI0BK-S24             |           |
|--|---------------------|---------------------|------------------------|-----------------------|-----------|
| 检测标准<br>Test standards                           | ISO、UL、IEC、<br>ASTM | 样品处理<br>handling    | 23℃、24h                | 测试环境<br>Environment   | 23℃、50%RH |
| 检测项目<br>Properties                               | 单位<br>Unit          | 检测方法<br>Test method | 测试条件<br>Test condition | 典型值<br>Typical values |           |
| <b>物理性能 Physical property</b>                    |                     |                     |                        |                       |           |
| 密度<br>Density                                    | g/cm <sup>3</sup>   | ISO 1183            |                        |                       | 1.04      |
| 填充物含量<br>Filler content                          | %                   | ISO 1172            |                        |                       | 18-22     |
| 熔融指数<br>MFR                                      | g/10min             | ISO 1133            |                        | 230℃/2.16KG           | 35        |
| 模具收缩率<br>Mold shrinkage                          | %                   | ISO 294             |                        | Parallel              | 0.70      |
|  |                     |                     |                        | Vertical              | 0.90      |
| <b>机械性能 Mechanical property</b>                  |                     |                     |                        |                       |           |
| 拉伸断裂强度<br>Tensile strength                       | MPa                 | ISO 527             |                        | 50mm/min              | 20        |
| 断裂伸长率<br>Elongation at break                     | %                   | ISO 527             |                        | 50mm/min              | 50        |
| 弯曲强度<br>Flexural strength                        | MPa                 | ISO 178             |                        | 2mm/min               | -         |
| 弯曲模量<br>Flexural modulus                         | MPa                 | ISO 178             |                        | 2mm/min               | 1400      |
| 悬臂梁缺口冲击强度<br>Izod impact strength(notched)       | KJ/m <sup>2</sup>   | ISO 180             |                        | 23℃                   | 35        |
| 简支梁无缺口冲击强度<br>Charpy impact strength (unnotched) | KJ/m <sup>2</sup>   | ISO 179             |                        | 23℃                   | NB        |
| <b>热学性能 Thermal property</b>                     |                     |                     |                        |                       |           |
| 熔点<br>Melting point                              | ℃                   | ISO 3146            |                        |                       | 160       |
| 热变形温度<br>HDT                                     | ℃                   | ISO 75-2-2004       |                        | 0.45MPa               | 100       |
| <b>燃烧特性 Flammability</b>                         |                     |                     |                        |                       |           |
| UL 垂直燃烧等级<br>Flammability (Vertical)             | Class               | UL-94               |                        |                       | -         |
| 水平燃烧速度<br>Horizontal burning rate                | mm/min              | ISO1210             |                        |                       | 41        |

注：以上数据为典型值，仅供选材参考。

Note: The above data are typical, as reference only