



## 性能参数 Properties Data Sheet

| 产品类别<br>Description                              | PC/ABS              |                     | 牌 号<br>Grade                                   | CSA-S03               |           |
|--|---------------------|---------------------|--|-----------------------|-----------|
| 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            |  |                       | 1.1       |
| 填充物含量<br>Filler content                          | %                   | ISO 1172            |  |                       | -         |
| 模具收缩率<br>Mold shrinkage                          | %                   | ISO 294             | Parallel                                       |                       | 0.55      |
|  |                     |                     | Vertical                                       |                       | 0.56      |
| <b>机械性能 Mechanical property</b>                  |                     |                     |  |                       |           |
| 拉伸断裂强度<br>Tensile strength                       | MPa                 | ISO 527             | I type sample<br>50mm/min                      |                       | 46        |
| 断裂伸长率<br>Elongation at break                     | %                   | ISO 527             | I type sample<br>50mm/min<br>Gauge length 50mm |                       | >50       |
| 弯曲强度<br>Flexural strength                        | MPa                 | ISO 178             | 23℃ 10mm/min                                   |                       | 65        |
| 弯曲模量<br>Flexural modulus                         | MPa                 | ISO 178             | 23℃ 10mm/min                                   |                       | 2200      |
| 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 11357-1         |  |                       | -         |
| 热变形温度<br>HDT                                     | ℃                   | ISO 75              | 0.45MPa  |                       | 105       |
|  |                     |                     | 1.8MPa   |                       | 100       |
| <b>燃烧特性 Flammability</b>                         |                     |                     |  |                       |           |
| UL 燃烧等级<br>Flammability                          | Class               | UL-94               |  |                       | HB        |
| <b>电性能 Electrical property</b>                   |                     |                     |  |                       |           |
| 表面电阻率<br>Surface resistivity                     | Ω                   | IEC60093            |  |                       | 1.00E+16  |
| 体积电阻率<br>Volume resistivity                      | Ω•cm                | IEC60093            |  |                       | 1.00E+16  |

注：以上数据为典型值，仅供选材参考。

Note: The above data are typical, as reference only