



性能参数 Properties Data Sheet

| 产品类别 Description | PBT | | 牌 号 Grade | TG3S | |
|--|---------------------|---------------------|--|-----------------------|-----------|
| 检测标准 Test standards | ISO、UL、IEC、 ASTM | 样品处理 handling | 23℃、24h | 测试环境 Environment | 23℃、50%RH |
| 检测项目 Properties | 单位 Unit | 检测方法 Test method | 测试条件 Test condition | 典型值 Typical values | |
| 物理性能 Physical property | | | | | |
| 密度 Density | g/cm ³ | ISO 1183 | | | 1.4 |
| 填充物含量 Filler content | % | ISO 1172 | | | 15 |
| 模具收缩率 Mold shrinkage | % | ISO 294 | Parallel | | 0.56 |
| | | | Vertical | | 1.21 |
| 机械性能 Mechanical property | | | | | |
| 拉伸断裂强度 Tensile strength | MPa | ISO 527 | I type sample 50mm/min | | 110 |
| 断裂伸长率 Elongation at break | % | ISO 527 | I type sample 50mm/min Gauge length 50mm | | 2 |
| 弯曲强度 Flexural strength | MPa | ISO 178 | 23℃ 10mm/min | | 150 |
| 弯曲模量 Flexural modulus | MPa | ISO 178 | 23℃ 10mm/min | | 5800 |
| 悬臂梁缺口冲击强度 Izod impact strength(notched) | KJ/m ² | ISO 180 | 23℃ | | 6.5 |
| 简支梁无缺口冲击强度 Charpy impact strength (unnotched) | KJ/m ² | ISO 179 | 23℃ | | 50 |
| 热学性能 Thermal property | | | | | |
| 熔点 Melting point | ℃ | ISO 11357-1 | | | 223 |
| 热变形温度 HDT | ℃ | ISO 75 | 0.45MPa | | 212 |
| | | | 1.8MPa | | 200 |
| 燃烧特性 Flammability | | | | | |
| UL 燃烧等级 Flammability | Class | UL-94 | | | HB |
| 电性能 Electrical property | | | | | |
| 表面电阻率 Surface resistivity | Ω | IEC60093 | | | 1.00E+14 |
| 体积电阻率 Volume resistivity | Ω•cm | IEC60093 | | | 1.00E+15 |

注：以上数据为典型值，仅供选材参考。

Note: The above data are typical, as reference only