

PMMA

Product Features and Applications

Electronic device housings, semiconductor trays, anti-static (ESD) packaging, battery components, medical device housings,Industrial electronic components

| 性能<br>Property                       | 测试标准<br>Standard Test | 测试条件<br>Test Condition | 单位<br>Unit | 数值<br>Value |
|--------------------------------------|-----------------------|------------------------|------------|-------------|
| 机械性能<br>Mechanical Properties        |                       |                        |            |             |
| 拉伸强度<br>Tensile Strength@Yield       | GB/T 1040             | 50mm/min               | Mpa        | 72.00       |
| 断裂伸长率<br>Elongation at Break         | GB/T 1040             | 50mm/min               | %          | 6.00        |
| 弯曲强度<br>Flexural Yield Strength      | GB/T9341              | 2mm/min                | Mpa        | 110.00      |
| 弯曲模量<br>Flexural Modulus             | GB/T9341              | 2mm/min                | Mpa        | 3300.00     |
| 缺口冲击强度<br>Izod Impact, Notched       | ASTM D256             | 3.2mm                  | KJ/M²      | 2.20        |
|                                      | ASTM D256             | 3.2mm                  | KJ/M²      | 1.80        |
| Physical Properties                  |                       |                        |            |             |
| 熔融指数<br>Melt Flow                    | GB/T 3682             | 230℃,3.8kg             | g/10min    | 3.50        |
| 流动方向收缩率<br>Linear Mold Shrinkage     | ASTM D955             | --                     | %          | 0.40        |
| 垂直方向收缩率<br>Linear Mold Shrinkage     | ASTM D955             | --                     | %          | 0.60        |
| 密度<br>Density                        | GB/T 1033             | 23℃                    | g/cm3      | 1.18        |
| 热性能<br>Thermal Properties            |                       |                        |            |             |
| 热变形温度<br>heat deflection temperature | GB/T 1634             | 1.8 MPa                | ℃          | 95          |
| 阻燃性能<br>flammability                 | UL94                  | 1.6 mm                 | Class      | HB          |
| Electrical Properties                |                       |                        |            |             |
| 体积电阻<br>Volume Resistivity           | ASTM D 257            |                        | --         |             |
| Processing                           |                       |                        |            |             |
| 干燥温度<br>Drying Temperature           |                       |                        | ℃          | 80 ~ 90     |
| 干燥时间<br>Drying Time                  |                       |                        | hrs        | 2 ~ 4       |
| 料筒温度<br>Cylinder Temperature         |                       |                        | ℃          | 210 ~ 250   |
| 模具温度<br>Mold Temperature             |                       |                        | ℃          | 50 ~ 80     |

\* 以上数值是根据实验标准测定的代表数值。因为本资料是根据本公司实验数据所作成，所以这些数据未必适用各种不同的条件，最终还请客户自行作出判断。上述所列的仅是产品的基本信息而不是产品规格。

\*如果干燥不充分造成产品偏脆，制品表面有水花，物性下降；如果想获得较光亮的表面请务必保持较高的模温。

\* The values above are representative figures determined according to standard test methods. As this information is based on the company's experimental data, these figures may not necessarily apply to all conditions; customers are advised to make their own final assessments. The information listed above represents basic product details rather than formal product specifications.

\* Insufficient drying may result in brittleness, surface blemishes (such as water marks), and a decline in physical properties. To achieve a glossier surface finish, please ensure the mold temperature is maintained at a high level.