



PMMA 系列复合塑料物性表

compound datasheets

| 项目 Property | | 试验法 ASTM Method | 单位 Units | PMMA | PMMA, Anti-static | PMMA, Anti-static, Clear | |
|--|--|--------------------|----------------------|------------------------------|-------------------|--------------------------|---------|
| 一般性质 | 比重 Specific Gravity | D792 | - | 1.18 | 1.15 | 1.15 | |
| | 成型收缩率 Mold Shrinkage | D955 | % | 6.35mm截面 | - | - | |
| | | | | 3.18mm截面 | 0.2~1 | 0.5~0.7 | 0.5~0.7 |
| 吸水率(24 hours) Water absorption, 24 hrs @ 23oC | D570 | % | - | - | - | | |
| 机械性质 | 冲击强度 Impact Strength | D256 | J/m | 3.18mm截面(缺口) Notched Izod | 21 | 53 | 53 |
| | | | | 3.18mm截面(无缺口) Unnotched Izod | 232 | 801 | 801 |
| | 伸张强度 Tensile Strength | D638 | MPa | 65 | 38 | 38 | |
| | 延伸率 Tensile Elongation | D638 | % | 3.5~5.5 | >10 | >10 | |
| | 伸张模数 Tensile Modulus | D638 | MPa | 3448 | 1379 | 1379 | |
| | 弹性强度 Flexural Strength | D790 | MPa | 90 | 59 | 59 | |
| | 弹性模数 Flexural Modulus | D790 | MPa | 3448 | 1724 | 1724 | |
| 洛氏硬度 Rockwell Hardness | D785 | - | - | - | - | | |
| 热性质 | 热变形温度 DTUL | D648 | oC | at 264 psi (1.82 MPa) | - | - | - |
| | | | | at 66 psi (0.455 MPa) | - | - | - |
| | 连续使用温度 Continuous Use Temp. | UL-746B | oC | - | - | - | |
| | 线性热膨胀系数 Coefficient of Linear Thermal Expansion | D 696 | 10 ⁻⁵ /oC | - | - | - | |
| 防火等级 Flammability thickness | - | - | - | *HB @ 1.5 mm | - | - | |
| 电气性质 | 体积固有电阻 Volume Resistivity | D257 | ohm-cm | - | 1e9~ 9.9e10 | 1e9~ 9.9e10 | |
| | 表面电阻 Surface Resistivity | D257 | ohm/SQ | - | 1e10~ 9.9e11 | 1e10~ 9.9e11 | |
| | 静电消散(MIL-PRF-81705C) Static Decay | FTMS-4046.1 | sec | - | <2 | <2 | |

*Tested by factory.

Data are obtained from specimens molded under carefully controlled conditions from representative samples of the compound described herein. Properties may be materially affected by molding techniques applied and by the size and shape of the item molded. No assurance can be implied that all molded articles will have the same properties as those listed.