

名称: PA66
 牌号: A100HS



| 产品简介 Product Description | 主要应用 Applications |
|---|-------------------------|
| ·PA66 | ·注塑成型 Injection molding |
| ·良好的机械性能 Good mechanical properties balance | |

| 性能 Properties | 测试标准 Test Method | 测试条件 Test Condition | 单位 Unit | 典型值 Typical Values |
|--|----------------------|----------------------|-------------------|--------------------|
| 物理性能 Physical properties | | | | |
| 密度 Specific Gravity | ISO 1183 | 23°C | g/cm ³ | 1.14 |
| 机械性能 Mechanical properties | | | | |
| | | | | 干态/湿态 |
| 拉伸强度 Tensile Strength | ISO 527 | 50mm/min | MPa | 75/50 |
| 拉伸模量 Tensile Modulus | ISO 527 | 1mm/min | MPa | — |
| 伸长率 Elongation | ISO 527 | 50mm/min | % | 15/40 |
| 弯曲强度 Flexural Strength | ISO 178 | 2mm/min | MPa | — |
| 弯曲模量 Flexural Modulus | ISO 178 | 2mm/min | MPa | — |
| 简支梁无缺口冲击强度 Unnotched Charpy Impact Strength | ISO 179-1 | 23°C | kJ/m ² | NB/NB |
| 简支梁缺口冲击强度 Notched Charpy Impact Strength | ISO 179-1/1eA | 23°C | kJ/m ² | 6/15 |
| 热性能 Thermal properties | | | | |
| 热变形温度 Heat deflection temperature | ISO 75 | 0.45MPa | °C | — |
| | | 1.80MPa | °C | 72 |
| 熔点 Melting temperature | ISO 11357 | DSC | °C | 260 |
| 其它性能 Other properties | | | | |
| 收缩率 Mold Shrinkage | internal test method | flow direction | % | 0.70-0.90 |
| | | cross flow direction | % | 1.20-1.40 |
| 阻燃性 Flammability | ISO 3795 | — | mm/min | 36 |

说明: 以上数据是典型值, 不是保证值。根据模具设计, 例如浇口类型, 浇口分布, 浇口数量的不同, 注塑工艺和制件厚度的不同, 测试结果会有波动。不同的颜色, 测试结果也会有波动。在使用材料之前, 请咨询旭光聚合物有限公司。

Note: The data above is typical value for reference, not guarantee value. The data will vary with tool design such as gate type, gate location, gate number, injection molding process and part thickness. The data will vary with different color as well. Prior to use the material, please consult with Sunway polymer.

| 典型加工条件 Processing Conditions | | 参考范围 Range |
|------------------------------|------------|-----------------------|
| 熔体温度 Melt Temperature | | 260-290°C |
| 料筒温度 Barrel Temperature | 后段, Rear | 260--270°C |
| | 中段, Center | 270--280°C |
| | 前段, Front | 280--290°C |
| 模具温度 Mold Temperature | | 70-80°C |
| 预干燥 Pre-Dry needed | | 100-110°C, 4-6h, 除湿烘箱 |

说明: 以上数值仅供注塑机参考使用, 可根据不同机型、不同模具以及产品要求, 对上述工艺做适当调整。

Note: The above process condition is only for reference. The actual process should be adjusted according to different type of machine, mold design and product design.

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