



名称:

PP

牌号:

TPH1120GFH

| 产品简介 Product Description | 主要应用 Applications |
|--------------------------|-------------------|
| · High Impact Resistant | · Wear Resistant |
| · Heat Resistant | · High Toughness |

| 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 | | | | |
| Density | ASTM D792 | / | g/cm ³ | 1.1 |
| Molding Shrinkage - 3T MD/TD | ASTM D955 | / | % | 0.6-0.9 |
| Melt Flow Index (240C, 216kg) | ASTM D1238 | / | g/10min | 16 |
| 机械性能 Mechanical properties | | | | |
| Tensile Strength (Yield, 23°C) | ASTM D638 | / | MPa | 62 |
| Nominal Strain (Break, 23°C) | ASTM D638 | / | % | 11 |
| Flexural Modulus (23°C) | ASTM D790 | / | Mpa | 5000 |
| Flexural Strength (23°C) | ASTM D790 | / | MPa | 96 |
| Charpy Notched Impact Strength | ISO 179-1eA | / | kJ/m ² | 27 |
| 热性能 Thermal properties | | | | |
| 熔点 Melting point | ASTM D1525 | / | °C | 235 |
| 热变形温度 Heat deflection temperature | ASTM D648 | 1.80MPa | °C | 86 |
| 热变形温度 Heat deflection temperature | ASTM D648 | 0.45MPa | °C | 105 |
| 电性能 Electrical properties | | | | |
| 体积电阻率 Volume resistivity | ASTM D257 | / | Ω · m | 1.0E+15 |
| 电气强度 Dielectric strength | ASTM D149 | / | kV/mm | 17 |
| 其它性能 Other properties | | | | |
| 阻燃性 Flammability | UL94 | 0.8mm | | HB |

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, 注塑工艺和制品厚度的不同, 测试结果会有波动。不同的颜色, 测试结果也会有波动。

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.

| 典型加工条件 Processing Conditions | 参考范围 Range |
|------------------------------|------------|
| Pre-Dry needed | 80°C, 4h |
| Melt Temperature | 200-235°C |
| Dew point | -25°C |
| Mold Temperature | 65-108°C |
| Injecting pressure | 50-120MPa |

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.