

# PC

## 5983R

### 总览/Overview

|                |                                                                                               |
|----------------|-----------------------------------------------------------------------------------------------|
| 特点/Description | <ul style="list-style-type: none"> <li>无卤/Halogen-free</li> <li>高韧性/High toughness</li> </ul> |
| 应用/Application | <ul style="list-style-type: none"> <li>充电头/Charger head</li> </ul>                            |

| 通用<br>General                              | 测试标准<br>Test Standard | 测试条件<br>Test Condition | 单位<br>Units       | 典型值<br>Typical Value |
|--------------------------------------------|-----------------------|------------------------|-------------------|----------------------|
| 密度<br>Density                              | ASTM D792             | 23°C                   | g/cm <sup>3</sup> | 1.2                  |
| 收缩率<br>Mold Shrinkage                      | INTERNAL              | 2mm                    | %                 | 0.5-0.7              |
| 熔融指数<br>MFR                                | ASTM D1238            | 300°C, 1.2kg           | g/10min           | 10                   |
| 阻燃性<br>Flammability                        | UL94                  | 1.5mm                  | Class             | V0                   |
| 机械特征<br>Mechanical                         | 测试标准<br>Test Standard | 测试条件<br>Test Condition | 单位<br>Units       | 典型值<br>Typical Value |
| 拉伸强度<br>Tensile Strength                   | ASTM D638             | 50mm/min               | MPa               | 64                   |
| 伸长率<br>Elongation at break                 | ASTM D638             | 50mm/min               | %                 | 100                  |
| 弯曲强度<br>Flexural Strength                  | ASTM D790             | 2mm/min                | MPa               | 88                   |
| 弯曲模量<br>Flexural Modulus                   | ASTM D790             | 2mm/min                | MPa               | 2250                 |
| 悬臂梁缺口冲击强度<br>Impact Strength, IZOD notched | ASTM D256             | 3.2mm, 23°C            | KJ/m <sup>2</sup> | 70                   |
| 耐热特征<br>Thermal                            | 测试标准<br>Test Standard | 测试条件<br>Test Condition | 单位<br>Units       | 典型值<br>Typical Value |
| 热变形温度<br>Heat Distortion                   | ASTM D648             | 1.8Mpa, 6.4mm          | °C                | 123                  |

| 加工参数 Processing conditions                | 范围 Range         |
|-------------------------------------------|------------------|
| 烘料条件 Pre-drying Condition                 | 110°C-120°C, 4hr |
| 注塑压力 Injection Pressure                   | 60-100MPa        |
| 注塑速度 Injection Speed                      | 50-80            |
| 模具温度 Mold Temperature                     | 100°C            |
| 加工温度上限 Processing Temperature Max.        | 320°C            |
| 熔体温度 Melt Temperature                     | 280°C            |
| 料筒温度-加料段 Cylinder Temperature-Feeding     | 240°C-260°C      |
| 料筒温度-中间段 Cylinder Temperature-Compressing | 270°C-290°C      |
| 料筒温度-射嘴 Cylinder Temperature-Nozzle       | 280°C-300°C      |

a. 以上数据为本色料的数据，染色料的性能数据可能与以上数据不一样。The above data is for the original color material, and the properties of the dyeing material may differ from the above data.

b. 典型值是指实验室的平均数据，仅用于使用时参考，不作为产品标准。Typical values refer to the average data of the laboratory, which are only used as reference and are not used as product standards.

以上数值仅供参考使用，可根据制品大小、厚度以及产品要求做出调整 The above values are only for reference, and can be adjusted according to the size, thickness and requirements of the product.

**Note:**

1. 生产及操作时避免树脂接触到灰尘及杂物。 The resin should not contact with dust and sundries in processing.
2. 在射出周期中勿将热融胶长期停留在加热管中。 Do not stay the resin in the heating tube for a long time during the injecting cycle.
3. 热浇道之系统温度不宜过高以免材料劣化。 The temperature of the hot runner should not be too high to avoid material degradation.
4. 加工的高温过程的水分控制是保证制品质量的关键之一。 The moisture control is one of the keys to ensure the quality of products in processing.

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