# 物性表|Technical Data Sheet

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# PETEB230HS

## 描述 | Description

30%玻纤增强阻燃 PET,高光表面

## 应用 | Applications

IH 饭煲发热盘等等

| 性能项目<br>Performance Article | 参考标准<br>Test method | 测试条件<br>Test Condition | 国际单位<br>S.I. Units | 典型值<br>Typical Values |
|---|---|---|---|---|
| **物理性能 Physical Properties** | | | | |
| 玻纤含量 Glass Fiber Content | ISO 3451 | -- | % | 30 |
| 收缩率 Mold Shrinkage | ISO 294 | Flow direction,23℃<br>流动方向 | % | 0.20 |
| | | Transverse direction,23℃<br>垂直方向 | | 0.40 |
| 吸水率 Water Absorption | ISO 62 | 23℃ | % | 0.08 |
| 比重 Density | ISO 1183 | 23℃ | % | 1.65 |
| **机械性能 Mechanical Properties** | | | | |
| 拉伸强度 Tensile Strength | ISO 527 | 50 mm/min | MPa | 120 |
| 断裂伸长率 Strain at break | ISO 527 | 50 mm/min | % | 2.0 |
| 弯曲强度 Flexural Strength | ISO 178 | 2 mm/min | MPa | 180 |
| 弯曲模量 Flexural Modulus | ISO 178 | 2 mm/min | MPa | 8400 |
| 悬臂梁缺口冲击强度<br>Izod notched impact strength | ISO 180 | 4mm 23℃ | kJ/m² | 8 |
| **其他 Others** | | | | |
| 阻燃性 Flammability | UL 94 | 2.0mm | Class | $V_0$ |
| 灼热丝燃烧指数<br>Glow Wire Flammability Index, GWFI | IEC 60695-2-12 | 2.0mm 30s | 750℃ | 无焰 |

1. 测试样条处理条件：制样后室温冷却 20 分钟。
   Allow the sample to cool at room temperature for 20 minutes after preparation.
2. 以上数据为该产品的代表性数据，仅用于使用时的参考，不作为该产品的标准及顺炎公司正式质保承诺。
   The above data represents typical values for this product, provided for reference during usage, and does not serve as the standard or official quality assurance commitment for Shunyan New Material.

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| 典型加工条件 Processing Conditions | 典型值 Typical Values | 范围 Range |
|---|---|---|
| 熔体温度 Melt Temp. | 275℃ | 270℃-280℃ |
| 料筒温度 Barrel Zone Temp. | | |
| 后段 Rear | 265℃ | 260℃-270℃ |
| 中段 Center | 270℃ | 265℃-275℃ |
| 前段 Front | 275℃ | 270℃-280℃ |
| 模具温度 Mold Temp. | 60℃ | 50℃-80℃ |
| 加工温度上限 Processing Temp. Limit | | 280℃ |
| 注塑速度 Injection Speed | | 中速到高速 Moderate to High |
| 预干燥 Pre-Dry Requirements | | 130℃/4H |

以上数值仅供参考使用，客户可根据不同注塑机型、不同模具以及产品具体要求，对上述工艺做适当调整。
The above values are for reference only. Customers may make appropriate adjustments to the mentioned process based on different injection molding machines, molds, and specific product requirements.

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