

098 338 0198

## 产品资料表/datasheet

|                                |                                                                                          |            |                         |           |                  |
|--------------------------------|------------------------------------------------------------------------------------------|------------|-------------------------|-----------|------------------|
| • 规格: YF3100                   | 颜色: NC                                                                                   | 材质: PC/ABS | • Specification: YF3100 | Color: NC | Material: PC/ABS |
| • 特性: 无卤阻燃 1.5mm V0, 高抗冲。      | • Features: Flame grade 1.5mm V0, halogen-free. High impact resistance                   |            |                         |           |                  |
| • 用途: 高端家用电器、汽车/交通工具、办公设备、灯饰照明 | • Usage: High-end household appliances, automobiles/vehicles, office equipment, lighting |            |                         |           |                  |
| • 加工方式: 注塑                     | • Processing method: injection molding                                                   |            |                         |           |                  |
| • 符合法规:                        | • Compliant with regulations:                                                            |            |                         |           |                  |
| • Rohs                         | • SVHC                                                                                   |            | • Rohs                  | • SVHC    |                  |
| • 供应区域: 中国, 东南亚                | • Supply region: China, Southeast Asia                                                   |            |                         |           |                  |
| • 外观: 颗粒状                      | • Appearance: Granular                                                                   |            |                         |           |                  |
| • 填充物: 无                       | • Filler: None                                                                           |            |                         |           |                  |

| 项目 Project                           | 方法 method  | 条件        | 单位 unit           | YF3100    |          |
|--------------------------------------|------------|-----------|-------------------|-----------|----------|
|                                      |            |           |                   | 限定值       | 实测值      |
| 熔融指数<br>Melt Index(230°C/2.16kg)     | ISO 1133   | 260°C 5kg | g/10min           | ≥40       | 45       |
| 密度<br>Density                        | ISO 1183   | 23°C      | g/cm <sup>3</sup> | 1.17-1.19 | 1.177    |
| 收缩率<br>Shrinkage rate                | ISO 294-4  | 23°C      | %                 | /         | 0.4-0.6  |
| 拉伸强度<br>Tensile Strength             | ISO 527    | 10mm/min  | MPa               | ≥50       | 56.5     |
| 断裂延伸率<br>Tensile Elongation at Break | ISO 527    | 10mm/min  | %                 | ≥100      | 107.2    |
| 弯曲强度<br>Flexural Strength            | ISO 178    | 10mm/min  | MPa               | ≥60       | 68.4     |
| 弯曲模量<br>Flexural Modulus             | ISO 178    | 10mm/min  | MPa               | ≥2150     | 2231.6   |
| Izod 冲击强度<br>Izod Impact Strength    | ISO 179    | 23°C      | KJ/m <sup>2</sup> | ≥40       | 49.3     |
|                                      | ISO 179    | -20°C     | KJ/m <sup>2</sup> | /         | /        |
| 洛氏硬度<br>Rockwell Hardness            | ISO 2039-2 | 23°C      | R                 | ≥110      | 112      |
| 热变形温度<br>Hot deformation temperature | ISO 75     | 1.8MPa    | °C                | ≥80       | 87.8     |
| 阻燃性<br>Flame retardancy              | UL94       | /         | /                 | 1.5mm V0  | 1.5mm V0 |

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