



耐衝擊聚苯乙烯(High Impact Polystyrene) HIPS 666

特性

- 高耐衝擊射出級
- 高耐衝擊強度
- 低殘留單體量
- 耐熱性佳
- 底色穩定
- 良好加工性
- 高流動性

Characteristics

- High Impact Injection Grade
- High Impact Strength
- Low Residual Monomer
- Good Heat Resistance
- Base Color Stability
- Good Transparency
- Easy Processing
- High Flow

應用

電腦週邊製品、家電製品、文具等。

Applications

PC peripheral appliances, electrical appliances, stationery.

物理性質 Physical Properties

| Properties | Test Method | Test Condition | Unit | Typical Value |
|---|-------------|---|--------------------|---------------|
| 比重 Specific Gravity | ASTM D792 | 23°C | --- | 1.046 |
| | ISO 1183 | | g/cm ³ | 1.04 |
| 流動指數 Melt Flow Index | ASTM D1238 | 200°C , 5 kg load | g/10min | 7.0 |
| | ISO 1133 | | ml/10min | 7.3 |
| 抗張強度 Tensile Strength at Yield | ASTM D638 | 23°C , 1/8" Sample | kg/cm ² | 270 |
| | ISO 527 | | Mpa | 25 |
| 伸長率 Elongation at Break | ASTM D638 | 23°C , 1/8" Sample | % | 45 |
| | ISO 527 | | | 50 |
| Izod 耐衝擊強度 Izod Impact Strength | ASTM D256 | 23°C, A method, notched 1/4"×1/2"×5/2" | kg-cm/cm | 8 |
| | | 1/8"×1/2"×5/2" | | 9 |
| | ISO 180A | 23°C Notched | KJ/m ² | 8.5 |
| Vicat 軟化溫度 Vicat Softening Temperature | ASTM D1525 | 1 kg load , 3 mm Thick (120 °C/hr) | °C | 99 |
| | ISO 306 | 1 kg load, 3 mm Thick(50°C/hr) | | 97 |
| 熱變形溫度 Heat Distortion Temperature | ASTM D648 | Unannealed, 1/2in, 18.56 kg/cm ² load pressure | °C | 85 |
| | ISO 75A | Unannealed, 1/2 in, 1.80Mpa load pressure | | 85 |
| 燃燒性 Flammability | UL-94 | 1/16" Sample | File No. E50263 | 94HB |
| 殘留苯乙烯單體 Residual SM monomer | --- | --- | ppm | < 600 |
| 黃色指數 (YI) Yellow Index | --- | --- | --- | -3 |

