



| 項目 Property | 單位 Unit | 試驗方法 Test Method | 試驗條件 Test Condition | 通用級 General Purpose PS | | | | | 高耐衝級 High Impact PS | | | |
|---|--|---|-------------------------------|--|--|--|---|--|---|--|--|---|
| | | | | GP5000 | GP5000(Super High Flow) | GP5250 | GP5350 | GP5500 | MP6500 | HP8250 | IP9450(Injection) | HP9450(Extrusion) |
| 抗張強度 Tensile Strength | kg/cm ² (MPa) | ASTM D-638 (ISO 527) | 23°C | 400 (39) | 400 (39) | 420 (41) | 450 (44) | 520 (51) | 270 (26) | 220 (22) | 240 (24) | 240 (24) |
| 抗張模數 Tensile Modulus | kg/cm ² *10 ⁴ (MPa) | ASTM D-638 (ISO 527) | 23°C | 1.7 (1670) | 1.7 (1670) | 1.8 (1770) | 1.8 (1770) | 1.8 (1770) | 1.6 (1570) | 1.5 (1470) | 1.5 (1470) | 1.5 (1470) |
| 伸長率 Tensile Elongation | % | ASTM D-638 (ISO 527) | 23°C | 2.1 | 2.1 | 2.1 | 2.2 | 2.3 | 35 | 40 | 43 | 43 |
| 彎曲強度 Flexural Strength | kg/cm ² (MPa) | ASTM D-790 (ISO 178) | 23°C | 700 (69) | 700 (69) | 800 (78) | 900 (88) | 1000 (98) | 550 (54) | 440 (43) | 440 (43) | 440 (43) |
| 彎曲模數 Flexural Modulus | kg/cm ² *10 ⁴ (MPa) | ASTM D-790 (ISO 178) | 23°C | 3.3 (3240) | 3.3 (3240) | 3.4 (3330) | 3.4 (3330) | 3.4 (3330) | 2.6 (2550) | 2.3 (2260) | 2.2 (2160) | 2.2 (2160) |
| Izod 衝擊強度 Izod Impact Strength | kg-cm/cm (J/m) | ASTM D-256 (ISO R180) | 23°C 1/4"厚 | 1.8 (18) | 1.8 (18) | 1.8 (18) | 1.9 (19) | 2.2 (22) | 6.5 (64) | 11.0 (108) | 14.0 (137) | 14.0 (137) |
| 軟化點 Vicat Softening Temperature | °C | ASTM D-1525 D-648 (ISO 306B 75/A) | Annealed 80°C-2Hr 1/8"厚 | 88 | 88 | 93 | 95 | 102 | 95 | 95 | 95 | 95 |
| 熱變形溫度 Heat Distortion Temperature Annealed | °C | ASTM D-1525 D-648 (ISO 306B 75/A) | Annealed 80°C-2Hr 1/8"厚 | 82 | 82 | 88 | 91 | 95 | 89 | 88 | 88 | 88 |
| 熔融指數 Melt Flow Index | g/10 min. | ASTM D1238 (ISO 1133) | 200°C-5Kg (49N) | 10.0 | 17.0 | 7.0 | 4.5 | 2.5 | 7.0 | 5.5 | 2.3 | 2.3 |
| 殘留單體 Residual Monomer | ppm max. | | | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 |
| 燃燒性 Flammability | | UL-94 | FILE NO. E117170 | 1/16" HB NC | 1/16" HB NC | 1/16" HB NC | 1/16" HB NC | | 1/16" HB NC | 1/16" HB NC | 1/16" HB NC | 1/16" HB NC |
| 特性 CHARACTERISTICS | | | | 高流動性 High Flow | 超高流動性 Super High Flow | 一般射出成形 Injection Molding | 耐熱性 High Heat | 高分子量, 押出用 High M. W. for Extrusion | 中耐衝性 Medium Impact | 高耐衝性 一般成形用 High Impact Normal Flow | 超高耐衝性 Super High Impact | 押出用 Extrusion |
| 用途 APPLICATION | | | | TPR 摻配 錄音帶殼 薄肉射出 TPR Blending, Cassettes, Thin-wall injection | TPR 摻配 錄音帶殼 薄肉射出 TPR Blending, Cassettes, Thin-wall injection | 食品容器, 文具, 玩具, 衣架, 燈飾, CD殼, 錄音帶盒 化妝品容器 Food container, Stationary, Toys, Clothes rack, Lamp decoration, CD Cassettes, Cosmetic cases | 餐具, 燈罩 品品板 玩具 Kitchenware, Lamp diffuser, Decorated sheets, Toys, Isolation profile | PSP板 OPS 藥品罐 PSP Sheets, OPS, Medicine Containers | 文具, 玩具 家電零件 衣架 時鐘殼 FRP 摻配 Stationary, Toys, Parts for home electrical appliances, Clothes rack, Clock housing, FRP blending | 家電外殼 電視機殼 終端機殼 Housing for electrical appliances, TV housing, Monitor housing | HP押板 線軸, 浮球 包裝材 HP sheets, Cable reels, Packaging | HP押板 免洗容器 包裝材 HP sheets, Disposable Dishware Packaging |

以上數據皆參考ASTM, ISO試驗方法中所列, 僅供選擇用, 並非保證之參考。

All tests were run under laboratory conditions. ASTM, ISO (when applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of these products must be guided by the user's own methods for selection of the proper formulation.