

| 性質 Properties | 單位 Unit | 測試方法 Test Method | ViviOn™ 0510HF |
|---|-------------------|---------------------|-------------------|
| 基本性質 General properties | | | |
| 密度 Density | g/cm ³ | ASTM D792 | 0.94 |
| 吸水率 Water uptake | % | ASTM D570 | <0.01 |
| 熔融流率 Melt flow rate (2.16 kg, 230 °C) | g/10min | ASTM D1238 | 1.3 |
| 光學性質 Optical properties | | | |
| 折射率 Refractive index | - | - | 1.51 |
| 穿透度 Transmittance (380-760nm) | % | ASTM D1003 | 92.0 |
| 霧度 Haze (3mm) | % | D1003 | <1.0 |
| 熱性質 Thermal properties | | | |
| 衛氏軟化溫度 Vicat softening temperature | °C | ASTM D1525 | 114 |
| 熱變形溫度 Heat distortion temperature | °C | ASTM D648 | 88 |
| 玻璃轉移溫度 Glass transition temperature | °C | USI Method | 120 |
| 機械性質 Physical properties | | | |
| 彎曲強度 Flexural strength | MPa | ASTM D790 | 66 |
| 彎曲模數 Flexural modulus | GPa | ASTM D790 | 1.8 |
| 斷裂點抗張強度 Tensile strength (B.P.) | MPa | ASTM D638 | 35 |
| 延伸率 Elongation (B.P.) | % | ASTM D638 | 15 |
| 缺口衝擊強度 Impact strength (Charpy notched) | kJ/m ² | ASTM D6110 | 5.0 |
| 適用加工方式 Processing | | | |
| 射出成型 Injection Molding | | | ◎ |
| 押出成型 Extrusion Molding | | | ◎ |
| 射拉吹成型 Injection Stretched Blow Molding | | | ◎ |

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