



## Titalon 2400CF

樹 酯 Resin : Polyamide 66 resin (PA66)

產品說明 Product description : 40%碳纖維、高剛性、導電

40% Carbon Fiber·High Strength·Conductive

| 項目<br>Properties                                     | 單位<br>Unit        | 測試方法<br>Method        | 數值<br>Value                              |
|------------------------------------------------------|-------------------|-----------------------|------------------------------------------|
| 顏色 Color                                             | -                 | -                     | Black                                    |
| 比重 Specific gravity                                  | g/cm <sup>3</sup> | ISO 1183              | 1.31                                     |
| 拉伸強度 Tensile strength<br>拉伸率 Tensile Elongation      | MPa               | ISO 527-1,2           | 250<br>2                                 |
| 彎曲強度 Flexural strength<br>彎曲模數 Flexural modulus      | MPa               | ISO 178               | 370<br>26000                             |
| 衝擊強度(有缺口)<br>Charpy impact strength(notched)         | kJ/m <sup>2</sup> | ISO 179/1eA           | 10                                       |
| 熱變形溫度(1.8MPa)<br>Heat Deflection Temperature(1.8MPa) | °C                | ISO 75-1,2            | 245                                      |
| 體積阻抗 Volume resistivity<br>表面阻抗 Surface resistivity  | Ω·cm<br>Ω         | IEC 60093             | 1×10 <sup>-5</sup><br>1×10 <sup>-6</sup> |
| 耐燃性 Flammability                                     |                   | UL 94                 | HB                                       |
| 模收縮 Mold shrinkage                                   | %                 | 50x70x3<br>mmt        | 0.1~0.4                                  |
| 成型條件<br>Molding condition                            | °C                | 乾燥條件 Drying           | 80-100 x 4Hrs                            |
|                                                      |                   | 料管溫度 Melt temp.       | 260~290                                  |
|                                                      |                   | 模具溫度 Mold temp.       | 70~110                                   |
|                                                      | %                 | 射出壓力 Inject. press.   | 30~70                                    |
|                                                      |                   | 射出速度 Inject. velocity | 30~60                                    |

\*以上數值為材料的代表性測試值、並非該規格材料的最低值。

\*All property values shown in this data sheet are the representative values and not minimum value of this material.