

## Titalon H600CF

樹 酯 Resin : Polyamide 6T resin (PA6T)

產品說明 Product description : 30%碳纖維、高剛性、耐高溫、導電  
30% 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                                | MPa               | ISO                 | 250                |
| 拉伸率 Tensile Elongation                               |                   | 527-1,2             | 1                  |
| 彎曲強度 Flexural strength                               | MPa               | ISO 178             | 375                |
| 彎曲模數 Flexural modulus                                |                   |                     | 23000              |
| 衝擊強度(有缺口)<br>Charpy impact strength(notched)         | kJ/m <sup>2</sup> | ISO<br>179/1eA      | 7                  |
| 熱變形溫度(1.8MPa)<br>Heat Deflection Temperature(1.8MPa) | °C                | ISO<br>75-1,2       | 280                |
| 體積阻抗 Volume resistivity                              | Ω•cm              | IEC 60093           | 1×10 <sup>13</sup> |
| 表面阻抗 Surface resistivity                             | Ω                 |                     | 1×10 <sup>14</sup> |
| 耐燃性 Flammability                                     |                   | UL 94               | HB                 |
| 模收縮 Mold shrinkage                                   | %                 | 50x70x3<br>mmt      | 0.1~0.6            |
| 成型條件<br>Molding condition                            | °C                | 乾燥條件 Drying         | 80-100 x 4Hrs      |
|  |                   | 料管溫度 Melt temp.     | 290~320            |
|  |                   | 模具溫度 Mold temp.     | 100~130            |
|  | %                 | 射出壓力 Inject. press. | 30~70              |
| 射出速度 Inject. velocity                                |                   | 30~70               |                    |

\*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.