



# Titalon X600CF

樹 酯 Resin : Aromatic polyamides resin

產品說明 Product description : 30% 碳纖維、高剛性、導電性、低吸濕

30% Carbon Fiber、High Stiffness、Conductive、Low Moisture Absorption

| 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              | 1.35                |
| 拉伸強度 Tensile strength                                | MPa               | ISO 527-1,2           | 225                 |
| 拉伸率 Tensile Elongation                               | %                 |                       | 1                   |
| 彎曲強度 Flexural strength                               | MPa               | ISO 178               | 350                 |
| 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 179               | 5                   |
| 熱變形溫度(1.8MPa)<br>Heat Deflection Temperature(1.8MPa) | °C                | ISO 75-1,2            | 230                 |
| 體積阻抗 Volume resistivity                              | Ω•cm              | IEC 60093             | 1×10 <sup>4-6</sup> |
| 表面阻抗 Surface resistivity                             | Ω                 |                       | 1×10 <sup>4-6</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.       | 240~270             |
|                                                      |                   | 模具溫度 Mold temp.       | 90~130              |
|                                                      | %                 | 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.