



# Titalon 9200CF

樹脂 Resin : Polyetherimide resin (PEI)

產品說明 Product description : 10% 碳纖維、高剛性、導電

10% Carbon Fiber 、High Stiffness 、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                                          | 1.30                                 |
| 拉伸強度 Tensile strength                                | MPa               | ISO 527-1,2                                       | 150                                  |
| 拉伸率 Tensile Elongation                               | %                 |                                                   | 1                                    |
| 彎曲強度 Flexural strength                               | MPa               | ISO 178                                           | 210                                  |
| 彎曲模數 Flexural modulus                                |                   |                                                   | 8500                                 |
| 衝擊強度(有缺口)<br>Charpy impact strength(notched)         | kJ/m <sup>2</sup> | ISO 179                                           | 4                                    |
| 熱變形溫度(1.8MPa)<br>Heat Deflection Temperature(1.8MPa) | °C                | ISO 75-1,2                                        | 210                                  |
| 體積阻抗 Volume resistivity                              | Ω•cm              | IEC 60093                                         | 1×10 <sup>5-8</sup>                  |
| 表面阻抗 Surface resistivity                             | Ω                 |                                                   | 1×10 <sup>5-8</sup>                  |
| 耐燃性 Flammability                                     |                   | UL 94                                             | V0                                   |
| 模收縮 Mold shrinkage                                   | %                 | 50x70x3<br>mmt                                    | 0.2~0.4                              |
| 成型條件<br>Molding condition                            | °C                | 乾燥條件 Drying<br>料管溫度 Melt temp.<br>模具溫度 Mold temp. | 120-150 x 4Hrs<br>320~370<br>110~150 |
|                                                      | %                 | 射出壓力 Inject. press.<br>射出速度 Inject. velocity      | 50~90<br>20~50                       |

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.