



## Titalon 2150CF

RESIN : POLYAMIDE66 RESIN

PRODUCT DESCRIPTION : 15%CARBON FIBER REINFORCEDED, HIGH STRENGTH,WEAR RESISTANCE

| Properties                           | Unit              | method           | Value             |
|--------------------------------------|-------------------|------------------|-------------------|
| Color                                | -                 | -                | Black             |
| specific gravity                     | g/cm <sup>3</sup> | ISO 1183         | 1.20              |
| Tensile strength                     | MPa               | ISO              | 200               |
| Tensile Elongation                   |                   | 527-1,2          | >3                |
| Flexural strength                    | MPa               | ISO 178          | 280               |
| Flexural modulus                     |                   |                  | 12500             |
| Charpy impact strength(notched)      | kJ/m <sup>2</sup> | ISO              | 14                |
|                                      |                   | 179/1eA          |                   |
| Heat Deflection Temperature (1.8MPa) | °C                | ISO 75-1,2       | 260               |
| Volume resistivity                   | Ω•cm              | IEC 60093        | 1×10 <sup>3</sup> |
| Surface resistivity                  | Ω                 |                  | 1×10 <sup>4</sup> |
| Flammability                         |                   | UL 94            | HB                |
| Mold shrinkage                       | %                 | 50x70x3 mmt      | 0.2~0.6           |
|                                      |                   |                  |                   |
| MOLDING CONDITION                    | °C                | Drying           | 80~100x 4Hrs      |
|                                      |                   | Melt Temperature | 260~290           |
|                                      |                   | Mold Temperature | 60~100            |
|                                      | %                 | Inject. Pressure | 30~70             |
|                                      |                   | Inject. Velocity | 30~60             |

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