



# Titalon 5300GF

RESIN : POLYCARBONATE RESIN

PRODUCT DESCRIPTION :

**5300GF ADD 30%GF IS HIGH STRENGTH GRADE FOR INJECTION MOLDING ◦**

| Properties                          | Unit              | method         | Value              |
|-------------------------------------|-------------------|----------------|--------------------|
| <b>Color</b>                        | -                 | -              | Natural            |
| specific gravity                    | g/cm <sup>3</sup> | ISO 1183       | 1.43               |
| Tensile strength                    | MPa               | ISO            | 125                |
| Tensile Elongation                  |                   | 527-1,2        | >3                 |
| Flexural strength                   | MPa               | ISO 178        | 200                |
| Flexural modulus                    |                   |                | 7500               |
| Charpy impact strength(notched)     | kJ/m <sup>2</sup> | ISO            | 14                 |
|                                     |                   | 179/1eA        |                    |
| Heat Deflection Temperature(1.8MPa) | °C                | ISO<br>75-1,2  | 140                |
| Volume resistivity                  | Ω•cm              | IEC 60093      | 1×10 <sup>15</sup> |
| Surface resistivity                 | Ω                 |                | 1×10 <sup>14</sup> |
| Flammability                        |                   | UL 94          | HB                 |
| Mold shrinkage                      | %                 | 50x70x3<br>mmt | 0.1~0.4            |
| <b>MOLDING CONDITION</b>            |                   |                |                    |
| <b>MOLDING CONDITION</b>            | °C                | Drying         | 120x 4Hrs          |
|                                     |                   | Melt Temp.     | 260~290            |
|                                     |                   | Mold Temp.     | 70~90              |
|                                     | %                 | Inject. Press. | 40~60              |
| Inject. Velocity                    |                   | 40~60          |                    |

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

