

Titalon 1300CF

RESIN : POLYAMIDE 6 RESIN

PRODUCT DESCRIPTION : 30% CARBON FIBER REINFORCED, HIGH STRENGTH.

COLOR No.: VCF01

| Properties | Unit | method | Value |
|--------------------------------------|-------------------|------------------|---------------------|
| Color | - | - | Black |
| Density | g/cm ³ | ISO 1183 | 1.27 |
| Tensile strength | MPa | ISO | 230 |
| Tensile Elongation | | 527-1,2 | >2 |
| Flexural strength | MPa | ISO 178 | 350 |
| Flexural modulus | | | 18000 |
| Charpy impact strength(notched) | kJ/m ² | ISO | 12 |
| | | 179/1eA | |
| Heat Deflection Temperature (1.8MPa) | °C | ISO 75-1,2 | 205 |
| Volume resistivity | Ω•cm | IEC 60093 | 1×10 ^{2~4} |
| Surface resistivity | Ω | | 1×10 ^{2~4} |
| Flammability | | UL 94 | HB |
| Hardness | D | ISO7619 | 85 |
| Mold shrinkage | % | 50x80x3 mmt | 0.2~0.4 |
| Water absorption (23°CX 50%RH) | % | ISO 62 | 2.0 |
| MOLDING CONDITION | | | |
| | °C | Drying | 100x 4Hrs |
| | | Melt Temperature | 230~260 |
| | | Mold Temperature | 90~110 |
| | % | 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.