

**Titan 7700CF**

PPS-CF35

Titan Plastics Compounds Co., Ltd.

| <b>Mechanical properties</b>                       | <b>Value</b>     | <b>Unit</b>       | <b>Test Standard</b> |
|--|------------------|-------------------|----------------------|
| <b>ISO Data</b>                                    |                  |                   |                      |
| Tensile Strength                                   | <b>210</b>       | MPa               | ISO 527              |
| Flexural modulus, 23°C                             | <b>23000</b>     | MPa               | ISO 178              |
| Flexural strength                                  | <b>300</b>       | MPa               | ISO 178              |
| Charpy notched impact strength, +23°C              | <b>5</b>         | kJ/m <sup>2</sup> | ISO 179/1eA          |
| <b>Thermal properties</b>                          |                  |                   |                      |
| <b>ISO Data</b>                                    |                  |                   |                      |
| Temp. of deflection under load, 1.80 MPa           | <b>265</b>       | °C                | ISO 75-1/-2          |
| Burning behav. at thickness h                      | <b>V-0</b>       | class             | IEC 60695-11-10      |
| <b>Electrical properties</b>                       |                  |                   |                      |
| <b>ISO Data</b>                                    |                  |                   |                      |
| Volume resistivity                                 | <b>1000</b>      | Ohm*m             | IEC 62631-3-1        |
| Surface resistivity                                | <b>100000</b>    | Ohm               | IEC 62631-3-2        |
| <b>Other properties</b>                            |                  |                   |                      |
| Density  | <b>1480</b>      | kg/m <sup>3</sup> | ISO 1183             |
| <b>Processing Recommendation Injection Molding</b> |                  |                   |                      |
| Pre-drying - Temperature                           | <b>140 - 160</b> | °C                | -                    |
| Pre-drying - Time                                  | <b>4</b>         | h                 | -                    |
| Melt temperature                                   | <b>280 - 320</b> | °C                | -                    |
| Mold temperature                                   | <b>130 - 160</b> | °C                | -                    |

**Characteristics****Processing**

Injection Molding

**Delivery form**

Black

**Special Characteristics**

Increased electrical conductivity

**Applications**

Automotive

**Regional Availability**

Asia Pacific