# Tisetilen® N 20D03 R01

PE-GF20 — Tisan Engineering Plastics Co.Ltd.

| Mechanical properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Tensile Modulus | **3500** | MPa | ISO 527 |
| Stress at break | **40** | MPa | ISO 527 |
| Strain at break | **2.5** | % | ISO 527 |
| Izod notched impact strength, +23°C | **11** | kJ/m² | ISO 180/1A |

| Thermal properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Melting temperature, 10°C/min | **255** | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | **220** | °C | ISO 75-1/-2 |
| Burning behav. at 1.5 mm nom. thickn. | **HB** | class | IEC 60695-11-10 |
| Thickness tested | **1.6** | mm | - |
| Burning behav. at thickness h | **HB** | class | IEC 60695-11-10 |
| Thickness tested | **0.8** | mm | - |

| Electrical properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Volume resistivity | **>1E13** | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | **1E14** | Ohm | IEC 62631-3-2 |
| Comparative tracking index | **250** | - | IEC 60112 |

| Other properties | Value | Unit | Test Standard |
|---|---|---|---|
| Density | **1090** | kg/m³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|---|---|---|
| Melt temperature | **170** | °C | - |
| Mold temperature | **120** | °C | - |
| Zone 1 | **150** | °C | - |
| Zone 2 | **160** | °C | - |
| Zone 3 | **170** | °C | - |
| Nozzle temperature | **180** | °C | - |
| Back pressure | **0.35 - 0.69** | MPa | - |

## Characteristics

**Processing**
Injection Molding

**Regional Availability**
Europe, Near East/Africa

**Delivery form**
Pellets, Natural Color