

Polytron® P50B11

PP-GLF50

Polyram

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|--------------|-------------------|----------------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.1 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.2 | % | ISO 294-4, 2577 |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Modulus | 12500 | MPa | ISO 527 |
| Tensile Strength | 135 | MPa | ISO 527 |
| Strain at break | 1.8 | % | ISO 527 |
| Flexural modulus, 23°C | 12000 | MPa | ISO 178 |
| Flexural strength | 220 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 65 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 25 | kJ/m ² | ISO 179/1eA |
| Thermal properties | | | |
| ISO Data | | | |
| Melting temperature, 10°C/min | 168 | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 157 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 158 | °C | ISO 75-1/-2 |
| Burning behav. at thickness h | HB | class | IEC 60695-11-10 |
| Thickness tested | 3.0 | mm | - |
| Other properties | | | |
| Density | 1330 | kg/m ³ | ISO 1183 |

Characteristics**Delivery form**

Pellets, Black

Features

Chemically Coupled Reinforcement, Long fiber reinforced

Certifications

RoHS compliant

Applications

Automotive

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa