

Polytron® P30B03CN

PP-GLF30

Polyram

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|------|-----------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.2 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.5 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 6600 | MPa | ISO 527 |
| Tensile Strength | 100 | MPa | ISO 527 |
| Strain at break | 2.4 | % | ISO 527 |
| Flexural modulus, 23°C | 6600 | MPa | ISO 178 |
| Flexural strength | 145 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 60 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 22 | kJ/m ² | ISO 179/1eA |

| Thermal properties | Value | Unit | Test Standard |
|--|-------|-------|-----------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 168 | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 156 | °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 | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1120 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 2 - 4 | h | - |
| Mold temperature | 50 - 70 | °C | - |
| Zone 1 | 230 - 250 | °C | - |
| Zone 2 | 230 - 250 | °C | - |
| Zone 3 | 230 - 250 | °C | - |

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Black

Special Characteristics

Heat stabilized or stable to heat

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