

Polytron® P60B11-S

PP-GLF60

Polyram

Product Texts

The data represents Polytron P60B11-S 60% long glass fibers Polypropylene diluted with neat hPP to 30% glass fibers. (50% POLYTRON and 50% Neat PPH).

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|------|-----------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.1 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.3 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 7000 | MPa | ISO 527 |
| Tensile Strength | 110 | MPa | ISO 527 |
| Flexural modulus, 23°C | 6700 | MPa | ISO 178 |
| Flexural strength | 160 | 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 | 165 | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 157 | °C | ISO 75-1/-2 |
| Burning behav. at thickness h | HB | class | IEC 60695-11-10 |
| Thickness tested | 3.0 | mm | - |
| Burning rate, FMVSS, Thickness 1 mm | 100 | mm/min | ISO 3795 (FMVSS 302) |
| Glow Wire Flammability Index (GWFI) | 750 | °C | IEC 60695-2-12 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1120 | kg/m ³ | ISO 1183 |

Characteristics**Delivery form**

Pellets, Black

Applications

Automotive

Features

Chemically Coupled Reinforcement, Long fiber reinforced

Regional Availability

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