

Product Texts

30% Glass Reinforced, Heat Stabilized, Injection Molding, Excellent Dimensional Stability

ISO 1043 PA6-GF30

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|---|------------|------------------------|---------------|
| ISO Data | | | |
| ^[C] Melt volume-flow rate, MVR | 10 / * | cm ³ /10min | ISO 1133 |
| Temperature | 250 / * | °C | - |
| Load | 2.16 / * | kg | - |

[C]: CAMPUS

| Mechanical properties | dry / cond | Unit | Test Standard |
|--|-------------|-------------------|---------------|
| ISO Data | | | |
| ^[C] Tensile Modulus | 7200 / 4200 | MPa | ISO 527 |
| ^[C] Stress at break | 135 / 75 | MPa | ISO 527 |
| ^[C] Strain at break | 4 / 7 | % | ISO 527 |
| ^[C] Charpy impact strength, +23°C | 58 / 75 | kJ/m ² | ISO 179/1eU |
| ^[C] Charpy notched impact strength, +23°C | 6 / 13 | kJ/m ² | ISO 179/1eA |

[C]: CAMPUS

| Thermal properties | dry / cond | Unit | Test Standard |
|---|------------|------|----------------|
| ISO Data | | | |
| ^[C] Melting temperature, 10°C/min | 220 / * | °C | ISO 11357-1/-3 |
| ^[C] Temp. of deflection under load, 1.80 MPa | 165 / * | °C | ISO 75-1/-2 |
| ^[C] Temp. of deflection under load, 0.45 MPa | 210 / * | °C | ISO 75-1/-2 |

[C]: CAMPUS

| Other properties | dry / cond | Unit | Test Standard |
|------------------------------------|------------|-------------------|----------------|
| ^[C] Humidity absorption | 2 / * | % | Sim. to ISO 62 |
| ^[C] Density | 1360 / - | kg/m ³ | ISO 1183 |

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Pellets, Black, Natural Color

Regional Availability

Asia Pacific

Other text information**Injection molding**[Injection Molding Recommendations](#)[Steel recommendations for molds screws and barrels](#)[Trouble shooting guideline for injection molding](#)