

PB70 GF45 NL

PBT-X45

Melos GmbH

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|------------------------------------------|-------|-------------------|-----------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.5 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.9 | % | ISO 294-4, 2577 |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Modulus | 8000 | MPa | ISO 527 |
| Stress at break | 90 | MPa | ISO 527 |
| Strain at break | 2 | % | ISO 527 |
| Flexural modulus, 23°C | 6500 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 35 | kJ/m ² | ISO 179/1eU |
| Charpy impact strength, -30°C | 30 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 7 | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength, -30°C | 6 | kJ/m ² | ISO 179/1eA |
| Izod notched impact strength, +23°C | 6 | kJ/m ² | ISO 180/1A |
| Izod notched impact strength | 5 | kJ/m ² | ISO 180/1A |
| Temperature | -30 | °C | - |
| Thermal properties | | | |
| ISO Data | | | |
| Melting temperature, 10°C/min | 225 | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 195 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 220 | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 200 | °C | ISO 306 |
| Burning behav. at thickness h | HB | class | IEC 60695-11-10 |
| Thickness tested | 3.2 | mm | - |
| ASTM Data | | | |
| UL 94 Flame rating | HB | - | UL 94 |
| Thickness tested | 1.6 | mm | - |
| Electrical properties | | | |
| ISO Data | | | |
| Volume resistivity | >1E13 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | 1E14 | Ohm | IEC 62631-3-2 |
| Comparative tracking index | 500 | - | IEC 60112 |
| Other properties | | | |
| Water absorption | 0.25 | % | Sim. to ISO 62 |
| Humidity absorption | 0.1 | % | Sim. to ISO 62 |
| Density | 1850 | kg/m ³ | ISO 1183 |

Characteristics**Special Characteristics**

High impact or impact modified, U.V. stabilized or stable to weather

Features

Thermal Stability

Chemical Resistance

General Chemical Resistance

Applications

Electrical and Electronical

Regional Availability

Europe