

Tecodur® PB70 GR50 NL100

PBT-GF50

Eurotec Mühendislik Plastikleri

| Mechanical properties | Value | Unit | Test Standard |
|-------------------------------------|--------------|-------------------|----------------------|
| ISO Data | | | |
| Tensile Modulus | 18000 | MPa | ISO 527 |
| Stress at break | 150 | MPa | ISO 527 |
| Strain at break | 1.5 | % | ISO 527 |
| Izod notched impact strength, +23°C | 11 | kJ/m ² | ISO 180/1A |
| Izod notched impact strength | 9 | kJ/m ² | ISO 180/1A |
| Temperature | -30 | °C | - |

| Thermal properties | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 225 | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 210 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 220 | °C | ISO 75-1/-2 |
| Burning behav. at 1.5 mm nom. thickn. | HB | class | IEC 60695-11-10 |
| Thickness tested | 1.6 | mm | - |
| Burning behav. at thickness h | HB | class | IEC 60695-11-10 |
| Thickness tested | 0.8 | mm | - |

| Electrical properties | Value | Unit | Test Standard |
|------------------------------|-----------------|-------------|----------------------|
| ISO Data | | | |
| Volume resistivity | >1E13 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | 1E14 | Ohm | IEC 62631-3-2 |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Humidity absorption | 0.1 | % | Sim. to ISO 62 |
| Density | 1720 | kg/m ³ | ISO 1183 |
| Moisture Content | 0.08 | % | - |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature | 120 | °C | - |
| Pre-drying - Time | 2 - 4 | h | - |
| Melt temperature | 250 - 270 | °C | - |
| Mold temperature | 60 - 100 | °C | - |
| Feed temperature | 50 - 70 | °C | - |
| Holding pressure | 40 - 80 | MPa | - |

Characteristics**Processing**

Injection Molding

Regional Availability

Europe

Delivery form

Natural Color