



| <b>TEREZ PBT 7100 GF 30</b>   |              |                   |                      |
|---|--------------|-------------------|----------------------|
| <b>PBT</b>  |              |                   | Ter Plastics         |
| <b>Product Texts</b>  |              |                   |                      |
| PBT, 30% glass fiber reinforced.<br>Suitable for injection moulding applications. |              |                   |                      |
| <b>Mechanical properties</b>  | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
| <b>ISO Data</b>   |              |                   |                      |
| Tensile Modulus   | 8400         | MPa               | ISO 527-1/-2         |
| Stress at break   | 115          | MPa               | ISO 527-1/-2         |
| Strain at break   | 2            | %                 | ISO 527-1/-2         |
| Charpy impact strength (+23°C)  | 38           | kJ/m <sup>2</sup> | ISO 179/1eU          |
| Charpy notched impact strength (+23°C)  | 5            | kJ/m <sup>2</sup> | ISO 179/1eA          |
| <b>Thermal properties</b>   |              |                   |                      |
| <b>ISO Data</b>   | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
| Temp. of deflection under load (1.80 MPa)   | 205          | °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                | IEC 60695-11-10      |
| <b>Electrical properties</b>  |              |                   |                      |
| <b>ISO Data</b>   | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
| Volume resistivity  | 1E13         | Ohm*m             | IEC 60093            |
| Surface resistivity   | 1E15         | Ohm               | IEC 60093            |
| Electric strength   | 30           | kV/mm             | IEC 60243-1          |
| Comparative tracking index  | 450          | -                 | IEC 60112            |
| <b>Other properties</b>   |              |                   |                      |
| <b>ISO Data</b>   | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
| Water absorption  | 0.3          | %                 | Sim. to ISO 62       |
| Humidity absorption   | 0.15         | %                 | Sim. to ISO 62       |
| Density   | 1520         | kg/m <sup>3</sup> | ISO 1183             |