


**TEREZ PA 6 7510 GF 10**

PA6

Ter Plastics

**Product Texts**

 PA6, medium viscosity, 10% glass fibre reinforced  
 For all kind of injection moulded parts with high stiffness.

| Mechanical properties                     | Value | Unit              | Test Standard   |
|-------------------------------------------|-------|-------------------|-----------------|
| <b>ISO Data</b>                           |       |                   |                 |
| Tensile Modulus                           | 5000  | MPa               | ISO 527-1/-2    |
| Tensile Strength                          | 100   | MPa               | ISO 527-1/-2    |
| Yield stress                              | 105   | MPa               | ISO 527-1/-2    |
| Strain at break                           | 3     | %                 | ISO 527-1/-2    |
| Charpy impact strength (+23°C)            | 40    | kJ/m <sup>2</sup> | ISO 179/1eU     |
| Charpy notched impact strength (+23°C)    | 6     | kJ/m <sup>2</sup> | ISO 179/1eA     |
| <b>Thermal properties</b>                 |       |                   |                 |
| <b>ISO Data</b>                           |       |                   |                 |
| Temp. of deflection under load (1.80 MPa) | 160   | °C                | ISO 75-1/-2     |
| Temp. of deflection under load (0.45 MPa) | 185   | °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>                           |       |                   |                 |
| Volume resistivity                        | 1E15  | Ohm*m             | IEC 60093       |
| Surface resistivity                       | 1E13  | Ohm               | IEC 60093       |
| Comparative tracking index                | 550   | -                 | IEC 60112       |
| <b>Other properties</b>                   |       |                   |                 |
| <b>ISO Data</b>                           |       |                   |                 |
| Water absorption                          | 8     | %                 | Sim. to ISO 62  |
| Humidity absorption                       | 2.6   | %                 | Sim. to ISO 62  |
| Density                                   | 1200  | kg/m <sup>3</sup> | ISO 1183        |