



| <b>TEREZ PA 6 8950 T</b>  |              |                   |                      |
|---|--------------|-------------------|----------------------|
| PA6   |              |                   | Ter Plastics         |
| <b>Product Texts</b>  |              |                   |                      |
| High viscose, cold impact modified Polyamide 6 for extrusion and injection moulding.<br>For moulding parts of high impact strength. |              |                   |                      |
| <b>Mechanical properties</b>  | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
| <b>ISO Data</b>   |              |                   |                      |
| Tensile Modulus   | 2100         | MPa               | ISO 527-1/-2         |
| Tensile Strength  | 45           | MPa               | ISO 527-1/-2         |
| Yield stress  | 50           | MPa               | ISO 527-1/-2         |
| Yield strain  | 5            | %                 | ISO 527-1/-2         |
| Strain at break   | 50           | %                 | ISO 527-1/-2         |
| Charpy impact strength (+23°C)  | N            | kJ/m <sup>2</sup> | ISO 179/1eU          |
| Charpy impact strength, -30°C   | N            | kJ/m <sup>2</sup> | ISO 179/1eU          |
| Charpy notched impact strength (+23°C)  | 80           | kJ/m <sup>2</sup> | ISO 179/1eA          |
| Charpy notched impact strength, -30°C   | 15           | kJ/m <sup>2</sup> | ISO 179/1eA          |
| <b>Thermal properties</b>   | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
| <b>ISO Data</b>   |              |                   |                      |
| Temp. of deflection under load (1.80 MPa)   | 50           | °C                | ISO 75-1/-2          |
| Temp. of deflection under load (0.45 MPa)   | 130          | °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>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
| <b>ISO Data</b>   |              |                   |                      |
| Volume resistivity  | 1E13         | Ohm*m             | IEC 60093            |
| Surface resistivity   | 1E14         | Ohm               | IEC 60093            |
| Comparative tracking index  | 500          | -                 | IEC 60112            |
| <b>Other properties</b>   | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
| <b>ISO Data</b>   |              |                   |                      |
| Water absorption  | 8.5          | %                 | Sim. to ISO 62       |
| Humidity absorption   | 2.3          | %                 | Sim. to ISO 62       |
| Density   | 1070         | kg/m <sup>3</sup> | ISO 1183             |