



| TEREZ ABS 3009 | | | |
|---|-------|---|-----------------|
| ABS | | | Ter Plastics |
| Product Texts | | | |
| Easy flowing ABS with high impact resistance. For all kind of injection moulding applications with high impact stress. | | | |
| Rheological properties | Value | Unit | Test Standard |
| ISO Data | | | |
| Melt flow index, MFI | 20 | g/10min | ISO 1133 |
| MFI temperature | 220 | °C | ISO 1133 |
| MFI load | 10 | kg | ISO 1133 |
| Mechanical properties | Value | Unit | Test Standard |
| ISO Data | | | |
| Tensile Modulus | 2300 | MPa | ISO 527-1/-2 |
| Yield stress | 45 | MPa | ISO 527-1/-2 |
| Yield strain | 2.6 | % | ISO 527-1/-2 |
| Strain at break | 10 | % | ISO 527-1/-2 |
| Charpy impact strength (+23°C) | 180 | kJ/m² | ISO 179/1eU |
| Charpy notched impact strength (+23°C) | 22 | kJ/m² | ISO 179/1eA |
| Thermal properties | Value | Unit | Test Standard |
| ISO Data | | | |
| Temp. of deflection under load (1.80 MPa) | 99 | °C | ISO 75-1/-2 |
| Temp. of deflection under load (0.45 MPa) | 103 | °C | ISO 75-1/-2 |
| Vicat softening temperature, 50°C/h 50N | 97 | °C | ISO 306 |
| Burning behav. at 1.5 mm nom. thickn. | HB | class | IEC 60695-11-10 |
| Thickness tested | 1.6 | mm | IEC 60695-11-10 |
| Electrical properties | Value | Unit | Test Standard |
| ISO Data | | | |
| Comparative tracking index | 600 | - | IEC 60112 |
| Other properties | Value | Unit | Test Standard |
| ISO Data | | | |
| Water absorption | 1 | % | Sim. to ISO 62 |
| Humidity absorption | 0.22 | % | Sim. to ISO 62 |
| Density | 1040 | kg/m³ | ISO 1183 |
| Characteristics | | | |
| Processing | | Features | |
| Injection Molding | | Amorphous | |
| Delivery form | | Applications | |
| Pellets | | Automotive, Building Construction, IT / Business Machine, Encapsulation | |