



| TEREZ ABS 5003 | | | |
|---|------|--|-----------------|
| ABS | | Ter Plastics | |
| Product Texts | | | |
| ABS with silk matt gloss, good impact resistance and light natural color. For high impact molding parts of all kind. | | | |
| Rheological properties | | Value | Unit |
| ISO Data | | | |
| Melt flow index, MFI | 5 | g/10min | ISO 1133 |
| MFI temperature | 220 | °C | ISO 1133 |
| MFI load | 10 | kg | ISO 1133 |
| Mechanical properties | | Value | Unit |
| ISO Data | | | |
| Tensile Modulus | 2250 | MPa | ISO 527-1/-2 |
| Yield stress | 43 | MPa | ISO 527-1/-2 |
| Yield strain | 40 | % | ISO 527-1/-2 |
| Strain at break | 20 | % | ISO 527-1/-2 |
| Charpy impact strength (+23°C) | N | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength (+23°C) | 15 | kJ/m ² | ISO 179/1eA |
| Flexural modulus (23°C) | 2050 | MPa | ISO 178 |
| Thermal properties | | Value | Unit |
| ISO Data | | | |
| Temp. of deflection under load (1.80 MPa) | 101 | °C | ISO 75-1/-2 |
| Vicat softening temperature, 50°C/h 50N | 100 | °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 |
| Other properties | | Value | Unit |
| ISO Data | | | |
| Density | 1040 | kg/m ³ | ISO 1183 |
| Characteristics | | | |
| Processing | | Applications | |
| Injection Molding | | Building Construction, IT / Business Machine, Electrical and Electronical, Encapsulation, General Purpose | |
| Delivery form | | | |
| Pellets | | | |