


**TEREZ ABS 3003**

ABS

Ter Plastics

**Product Texts**

 High impact ABS.  
 For moulding parts with high impact resistance.

| <b>Rheological properties</b>             | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------------------------|--------------|-------------------|----------------------|
| <b>ISO Data</b>                           |              |                   |                      |
| Melt flow index, MFI                      | 6            | g/10min           | ISO 1133             |
| MFI temperature                           | 220          | °C                | ISO 1133             |
| MFI load                                  | 10           | kg                | ISO 1133             |
| <b>Mechanical properties</b>              |              |                   |                      |
| <b>ISO Data</b>                           |              |                   |                      |
| Tensile Modulus                           | 1900         | MPa               | ISO 527-1/-2         |
| Yield stress                              | 40           | MPa               | ISO 527-1/-2         |
| Yield strain                              | 3            | %                 | ISO 527-1/-2         |
| Strain at break                           | 9            | %                 | ISO 527-1/-2         |
| Charpy impact strength (+23°C)            | N            | kJ/m <sup>2</sup> | ISO 179/1eU          |
| Charpy impact strength, -30°C             | 140          | kJ/m <sup>2</sup> | ISO 179/1eU          |
| Charpy notched impact strength (+23°C)    | 35           | kJ/m <sup>2</sup> | ISO 179/1eA          |
| Charpy notched impact strength, -30°C     | 13           | kJ/m <sup>2</sup> | ISO 179/1eA          |
| <b>Thermal properties</b>                 |              |                   |                      |
| <b>ISO Data</b>                           |              |                   |                      |
| Temp. of deflection under load (1.80 MPa) | 76           | °C                | ISO 75-1/-2          |
| Temp. of deflection under load (0.45 MPa) | 89           | °C                | ISO 75-1/-2          |
| Vicat softening temperature, 50°C/h 50N   | 90           | °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      |
| <b>Electrical properties</b>              |              |                   |                      |
| <b>ISO Data</b>                           |              |                   |                      |
| Comparative tracking index                | 600          | -                 | IEC 60112            |
| <b>Other properties</b>                   |              |                   |                      |
| <b>ISO Data</b>                           |              |                   |                      |
| Density                                   | 1030         | kg/m <sup>3</sup> | ISO 1183             |