


**TEREZ PMMA 5003**

PMMA

Ter Plastics

**Product Texts**

Standard grade, injection moulding, good heat deflection temperature.  
 Automobile brakelites, scratch resistant, optical high quality moulding parts.

| Rheological properties                    | Value | Unit              | Test Standard   |
|-------------------------------------------|-------|-------------------|-----------------|
| <b>ISO Data</b>                           |       |                   |                 |
| Melt flow index, MFI                      | 5     | g/10min           | ISO 1133        |
| MFI temperature                           | 230   | °C                | ISO 1133        |
| MFI load                                  | 3.8   | kg                | ISO 1133        |
| <b>Mechanical properties</b>              |       |                   |                 |
| <b>ISO Data</b>                           |       |                   |                 |
| Tensile Modulus                           | 3200  | MPa               | ISO 527-1/-2    |
| Stress at break                           | 73    | MPa               | ISO 527-1/-2    |
| Strain at break                           | 3.5   | %                 | ISO 527-1/-2    |
| Charpy impact strength (+23°C)            | 20    | kJ/m <sup>2</sup> | ISO 179/1eU     |
| <b>Thermal properties</b>                 |       |                   |                 |
| <b>ISO Data</b>                           |       |                   |                 |
| Temp. of deflection under load (1.80 MPa) | 95    | °C                | ISO 75-1/-2     |
| Temp. of deflection under load (0.45 MPa) | 100   | °C                | ISO 75-1/-2     |
| Vicat softening temperature, 50°C/h 50N   | 103   | °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>Other properties</b>                   |       |                   |                 |
| <b>ISO Data</b>                           |       |                   |                 |
| Density                                   | 1190  | kg/m <sup>3</sup> | ISO 1183        |