

**MM-PP BI 81**

PP

MACOMASS Verkaufs AG

| <b>Processing/Physical Characteristics</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|--|--------------|-------------------|----------------------|
| <b>ISO Data</b>                            |              |                   |                      |
| Melt flow index, MFI                       | <b>11</b>    | g/10min           | ISO 1133             |
| Temperature                                | <b>230</b>   | °C                | -                    |
| Load                                       | <b>2.16</b>  | kg                | -                    |
| <b>Mechanical properties</b>               |              |                   |                      |
| <b>ISO Data</b>                            |              |                   |                      |
| Tensile Strength                           | <b>20</b>    | MPa               | ISO 527              |
| Strain at break                            | <b>150</b>   | %                 | ISO 527              |
| Flexural modulus, 23°C                     | <b>1200</b>  | MPa               | ISO 178              |
| Charpy impact strength, +23°C              | <b>N</b>     | kJ/m <sup>2</sup> | ISO 179/1eU          |
| Charpy notched impact strength, +23°C      | <b>8</b>     | kJ/m <sup>2</sup> | ISO 179/1eA          |
| Ball indentation hardness                  | <b>70</b>    | MPa               | ISO 2039-1           |
| <b>Thermal properties</b>                  |              |                   |                      |
| <b>ISO Data</b>                            |              |                   |                      |
| Temp. of deflection under load, 1.80 MPa   | <b>53</b>    | °C                | ISO 75-1/-2          |
| Temp. of deflection under load, 0.45 MPa   | <b>86</b>    | °C                | ISO 75-1/-2          |
| Burning behav. at 1.5 mm nom. thickn.      | <b>V-2</b>   | class             | IEC 60695-11-10      |
| Thickness tested                           | <b>1.6</b>   | mm                | -                    |
| Burning behav. at thickness h              | <b>V-2</b>   | class             | IEC 60695-11-10      |
| Thickness tested                           | <b>3.2</b>   | mm                | -                    |
| <b>Other properties</b>                    |              |                   |                      |
| Density                                    | <b>940</b>   | kg/m <sup>3</sup> | ISO 1183             |

**Characteristics****Delivery form**

Natural Color

**Features**

Copolymer

**Special Characteristics**

Flame retardant

**Regional Availability**

Europe