

## Technical Data Sheet

## Maywo® ABS glossy

### Product characteristics

- Vacuum formable
- Glossy surface

### Product applications

- Industrial applications
- Visual applications

|                                         | Test method             | Unit                 | Guideline Value    |
|-----------------------------------------|-------------------------|----------------------|--------------------|
| <b>General properties</b>               |                         |                      |                    |
| Density                                 | DIN EN ISO 1183-1       | g / cm <sup>3</sup>  | 1,10               |
| Water absorption                        | DIN EN ISO 62           | %                    | 0,3                |
| Flammability (Thickness 1,5mm / 3 mm)   | UL 94                   |                      | HB                 |
| Flammability (Thickness 1,0; 1,5 mm)    | DIN 4102                |                      | B2*                |
| <b>Mechanical properties</b>            |                         |                      |                    |
| Yield stress                            | DIN EN ISO 527          | MPa                  | 43                 |
| Elongation at break                     | DIN EN ISO 527          | %                    | 57                 |
| Tensile modulus of elasticity           | DIN EN ISO 527          | MPa                  | 2500               |
| Notched impact strength                 | DIN EN ISO 179          | kJ / m <sup>2</sup>  | 14                 |
| Rockwell hardness                       | DIN EN ISO 2039-2       | scale R              | 110                |
| <b>Thermal properties</b>               |                         |                      |                    |
| Thermal conductivity                    | DIN 52612-1             | W / (m * K)          | 0,17               |
| Coefficient of linear thermal expansion | DIN 53752               | 10 <sup>-6</sup> / K | 90                 |
| Service temperature, long term          | Average                 | °C                   | 85                 |
| Service temperature, short term (max.)  | Average                 | °C                   | 95                 |
| Vicat softening temperature             | DIN EN ISO 306, Vicat B | °C                   | 104                |
| <b>Electrical properties</b>            |                         |                      |                    |
| Surface resistivity                     | DIN EN 61340            | Ω                    | > 10 <sup>12</sup> |
| Volume resistivity                      | DIN EN 61340            | Ω                    | > 10 <sup>12</sup> |

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\* For classification according DIN 4102, the finished component has to be tested.