

Technical Data Sheet

Maywo[®] ABS glossy

ABS

Typical characteristics

- Glossy surface

Typical industries

- Vacuum Forming

| | Test method | Unit | Guideline value |
|---|-------------------------|----------------------|--------------------|
| General properties | | | |
| Density | DIN EN ISO 1183-1 | g / cm ³ | 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** |
| Mechanical properties | | | |
| 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 ² | 14 |
| Rockwell hardness | DIN EN ISO 2039-2 | scale R | 110 |
| Thermal properties | | | |
| Melting temperature | ISO 11357-3 | °C | >180°C |
| Thermal conductivity | DIN 52612-1 | W / (m * K) | 0,17 |
| Coefficient of linear thermal expansion | DIN 53752 | 10 ⁻⁶ / 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 |
| Electrical properties | | | |
| Surface resistivity | DIN EN 61340 | Ω | > 10 ¹² |
| Volume resistivity | DIN EN 61340 | Ω | > 10 ¹² |

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* internal test

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



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