

Technical Data Sheet

Maywoblend[®] PC/ABS

PC / ABS

Typical characteristics

- Good impact strength

Typical industries

- Tecnica di imbutitura

| | Test method | Unit | Guideline value |
|---|-------------------------|----------------------|--------------------|
| General properties | | | |
| Density | DIN EN ISO 1183-1 | g / cm ³ | 1,15 |
| Water absorption | DIN EN ISO 62 | % | 0,2 |
| Flammability | UL 94 | | HB (0,85mm)* |
| Mechanical properties | | | |
| Yield stress | DIN EN ISO 527 | MPa | 54 |
| Elongation at break | DIN EN ISO 527 | % | >50 |
| Tensile modulus of elasticity | DIN EN ISO 527 | MPa | 2400 |
| Notched impact strength | DIN EN ISO 179 | kJ / m ² | 45 |
| Thermal properties | | | |
| Melting temperature | ISO 11357-3 | °C | >220°C |
| Thermal conductivity | DIN 52612-1 | W / (m * K) | 0,2 |
| Coefficient of linear thermal expansion | DIN 53752 | 10 ⁻⁶ / K | 85 |
| Service temperature, long term | Average | °C | 100 |
| Service temperature, short term (max.) | Average | °C | 110 |
| Vicat softening temperature | DIN EN ISO 306, Vicat B | °C | 120 |
| Electrical properties | | | |
| Surface resistivity | DIN EN 61340 | Ω | > 10 ¹² |
| Volume resistivity | DIN EN 61340 | Ω | > 10 ¹² |

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*only valid for natural color

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Print: 01/05/2026 • Release: 16/04/2026 • Version: 7.0

PIM-ID: 709678 • PIM-Code: 98-26-162-4-6

Company-IDs: 20070

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