

Technical Data Sheet

Maywoflamm[®] plus

PC / ABS

Typical characteristics

- Certified according to EN 45545-2

Typical industries

- Tecnica di imbutitura
- Tecnologia ferroviaria e dei veicoli ferroviari

| | Test method | Unit | Guideline value |
|---|-------------------------|----------------------|---------------------|
| General properties | | | |
| Density | DIN EN ISO 1183-1 | g / cm ³ | 1,35 |
| Flammability | EN 45545 | | HL 2 R1, R6 (2-4mm) |
| Mechanical properties | | | |
| Yield stress | DIN EN ISO 527 | MPa | 51 |
| Elongation at break | DIN EN ISO 527 | % | 4 |
| Tensile modulus of elasticity | DIN EN ISO 527 | MPa | 4650 |
| Notched impact strength | DIN EN ISO 179 | kJ / m ² | 4 |
| 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 | 65 |
| Service temperature, long term | Average | °C | 90 |
| Service temperature, short term (max.) | Average | °C | 110 |
| Vicat softening temperature | DIN EN ISO 306, Vicat B | °C | 100 |
| Electrical properties | | | |
| Surface resistivity | DIN EN 61340 | Ω | > 10 ¹² |
| Volume resistivity | DIN EN 61340 | Ω | > 10 ¹² |

It is recommended to pre-dry Maywoflamm[®] plus before thermoforming at 80°C for 3 to 4 hours. The processing temperature of Maywoflamm[®] plus is between 165°C and 205°C. An expected post mold shrinkage will typically be in the range of 0,2-0,4%.

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Page 1 / 2 (Dates in DD/MM/YYYY)





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Page 2 / 2 (Dates in DD/MM/YYYY)

