

Technical Data Sheet

Maywoflamm[®] PC/ABS

PC / ABS

Typical characteristics

- Vacuum formable
- Rail Vehicle Standard DIN 5510 compliant
- Flame retardant

Typical industries

- Vehicle Construction
- Vacuum Forming

| | Test method | Unit | Guideline value |
|---|-------------------------|----------------------|--------------------|
| General properties | | | |
| Density | DIN EN ISO 1183-1 | g / cm ³ | 1,22 |
| Water absorption | DIN EN ISO 62 | % | 0,2 |
| Flammability | UL 94 | | V0 (1,5mm) |
| Mechanical properties | | | |
| Yield stress | DIN EN ISO 527 | MPa | 65 |
| Elongation at break | DIN EN ISO 527 | % | 60 |
| Tensile modulus of elasticity | DIN EN ISO 527 | MPa | 2710 |
| Notched impact strength | DIN EN ISO 179 | kJ / m ² | 40 |
| Thermal properties | | | |
| Melting temperature | ISO 11357-3 | °C | > 220 |
| Thermal conductivity | DIN 52612-1 | W / (m * K) | 0,2 |
| Coefficient of linear thermal expansion | DIN 53752 | 10 ⁻⁶ / K | 68 |
| Service temperature, long term | Average | °C | 95 |
| Service temperature, short term (max.) | Average | °C | 110 |
| Vicat softening temperature | DIN EN ISO 306, Vicat B | °C | 113 |
| Electrical properties | | | |
| Surface resistivity | DIN EN 61340 | Ω | > 10 ¹² |
| Volume resistivity | DIN EN 61340 | Ω | > 10 ¹² |

