

Technical Data Sheet

Maywotron® PS P

PS

Typical characteristics

- Protection of electronic devices from electrostatic phenomena
- Antistatic

Typical industries

- Vacuum Forming
- Electronics

| | Test method | Unit | Guideline value |
|---|-------------------------|----------------------|------------------------------------|
| General properties | | | |
| Density | DIN EN ISO 1183-1 | g / cm ³ | 1,06 |
| Mechanical properties | | | |
| Yield stress | DIN EN ISO 527 | MPa | 18 |
| Elongation at break | DIN EN ISO 527 | % | 70 |
| Tensile modulus of elasticity | DIN EN ISO 527 | MPa | 1700 |
| Notched impact strength | DIN EN ISO 180 | kJ / m ² | 8 |
| Thermal properties | | | |
| Melting temperature | ISO 11357-3 | °C | >170°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 | 80 |
| Service temperature, short term (max.) | Average | °C | 90 |
| Vicat softening temperature | DIN EN ISO 306, Vicat B | °C | 90 |
| Electrical properties | | | |
| Surface resistivity | DIN EN 61340 | Ω | 10 ⁹ - 10 ¹¹ |
| Volume resistivity | DIN EN 61340 | Ω | 10 ⁹ - 10 ¹¹ |

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