

Technical Data Sheet

Maywotron[®] PS L pure

PS

Typical characteristics

- Protection of electronic devices from electrostatic phenomena
- Electrostatically dissipative

Typical industries

- Vacuum Forming
- 전자 제품

| | Test method | Unit | Guideline value |
|---|-------------------------|----------------------|-----------------------------------|
| General properties | | | |
| Density | DIN EN ISO 1183-1 | g / cm ³ | 1,08 |
| Water absorption | DIN EN ISO 62 | % | < 0,1 |
| Mechanical properties | | | |
| Yield stress | DIN EN ISO 527 | MPa | 15,6 |
| Elongation at yield stress | DIN EN ISO 527 | % | 1,2 |
| Elongation at break | DIN EN ISO 527 | % | 67,1 |
| Tensile modulus of elasticity | DIN EN ISO 527 | MPa | 1574 |
| Notched impact strength | DIN EN ISO 179 | kJ / m ² | 7,1 |
| 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 | 95 |
| Vicat softening temperature | DIN EN ISO 306, Vicat B | °C | 98 |
| Electrical properties | | | |
| Surface resistivity | DIN EN 61340 | Ω | 10 ⁵ - 10 ⁷ |
| Volume resistivity | DIN EN 61340 | Ω | 10 ⁵ - 10 ⁷ |

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ri-inquiry@roechling.com • www.roechling.com/industrial/materials

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