

Technical Data Sheet

Maywotron® PS/PE

PS

Typical characteristics

- Protection of electronic devices from electrostatic phenomena
- Conductive & dissipative

Typical industries

- Vacuum Forming
- Electronics

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,06
Water absorption	DIN EN ISO 62	%	< 0,1
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	15
Elongation at break	DIN EN ISO 527	%	84
Tensile modulus of elasticity	DIN EN ISO 527	MPa	780
Notched impact strength	DIN EN ISO 179	kJ / m ²	18
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	80
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	77
Electrical properties			
Surface resistivity	DIN EN 61340	Ω	10 ⁴ - 10 ⁷
Volume resistivity	DIN EN 61340	Ω	10 ⁴ - 10 ⁷

