Technical Data Sheet

Maywotron® PS M pure

PS

Typical characteristics

- Protection of electronic devices from electrostatic phenomena
- Electrostatically dissipative

Typical industries

- Vacuum Forming
- Electronics

	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	%	68,8
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1541
Notched impact strength	DIN EN ISO 179	kJ / m^2	6,8
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	95
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	98
Electrical properties			
Surface resisitivity	DIN EN 61340	Ω	10^4 - 10^6
Volume resistivity	DIN EN 61340	Ω	10^4 - 10^6

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