

DATA SHEET

SWP ESD 10⁵-7

Product characteristics:

- Protection of electronic devices from electrostatic phenomena
- Vacuum formable
- Conductive and dissipative

Product applications:

- Electronic industry
- Packaging
- Trays

	Test Method	Unit	Guideline Value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,15
Water absorption	DIN EN ISO 62	%	<0,1
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	20
Elongation at break	DIN EN ISO 527	%	47
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1739
Notched impact strength	DIN EN ISO 179	kJ / m ²	10
Shore hardness	DIN EN ISO 868	scale D	75
Thermal properties			
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	97
Electrical properties			
Surface resistivity	DIN EN 61340	Ω	10 ⁵ - 10 ⁷
Volume resistivity	DIN EN 61340	Ω	10 ⁵ - 10 ⁷

The information and recommendations contained in this document are based upon data collected by SWP and believed to be correct. However, no warranty of fitness for use or any other guarantees or warranty of any kind, expressed or implied, is made to the information contained herein, and SWP assumes no responsibility for the results of the use of products and processes described herein.