

Technical Data Sheet

SustaPEI CM ESD 90 black

PEI

Typical characteristics

- Electrostatically dissipative
- High stiffness even at high temperatures

Typical industries

- Semiconductor Industry
- Electrical Industry

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,32
Water absorption	DIN EN ISO 62	%	0,5
Flammability (Thickness 3 mm / 6 mm)	UL 94		V0 / V0
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	120
Elongation at break	DIN EN ISO 527	%	7
Tensile modulus of elasticity	DIN EN ISO 527	MPa	4100
Shore hardness	DIN EN ISO 868	scale D	88
Thermal properties			
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ / K	40
Service temperature, long term	Average	°C	0...170
Service temperature, short term (max.)	Average	°C	210
Electrical properties			
Surface resistivity	DIN EN 62631-3-2	Ω	10 ⁶

