

Technical Data Sheet

SustaPEEK CM ESD 90 black

PEEK

Typical characteristics

- Self-extinguishing
- Low smoke density
- high dimensional stability under heat

Typical industries

- Electronics
- Semiconductor Industry
- Mechanical Engineering Industry
- Aerospace

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,39
Mechanical properties			
Elongation at break	DIN EN ISO 527	%	2
Tensile modulus of elasticity	DIN EN ISO 527	MPa	5500
Tensile strength	DIN EN ISO 527	MPa	85
Impact strength	DIN EN ISO 179	kJ / m ²	15
Notched impact strength	ISO 179-1/1eA	kJ / m ²	2,5
Shore hardness	DIN EN ISO 868	scale D	85
Elastic modulus of compression	DIN EN ISO 604	MPa	3800
Thermal properties			
Melting temperature	ISO 11357-3	°C	342
Electrical properties			
Volume resistivity	DIN EN 62631-3-1	Ω * cm	10 ⁶ - 10 ⁹
Surface resistivity	DIN EN 62631-3-2	Ω	10 ⁶ - 10 ⁹

