Technical Data Sheet

SustaPEEK CM MOD ESD 90 black

PEEK

Typical characteristics

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

Typical industries

- 电子
- Semiconductor Industry
- 机械工程行业
- 航空航天

	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	DIN EN ISO 179	kJ / m^2	2,6
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

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