

## Technical Data Sheet

# SustaPEEK CM MOD 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
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	1,39
<b>Mechanical properties</b>			
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 <sup>2</sup>	15
Notched impact strength	DIN EN ISO 179	kJ / m <sup>2</sup>	2,6
Shore hardness	DIN EN ISO 868	scale D	85
Elastic modulus of compression	DIN EN ISO 604	MPa	3800
<b>Thermal properties</b>			
Melting temperature	ISO 11357-3	°C	342
<b>Electrical properties</b>			
Volume resistivity	DIN EN 62631-3-1	Ω * cm	10 <sup>6</sup> - 10 <sup>9</sup>
Surface resistivity	DIN EN 62631-3-2	Ω	10 <sup>6</sup> - 10 <sup>9</sup>

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