

### Technical Data Sheet

## SustaPEEK CM ESD 60 black

PEEK

#### Typical characteristics

- Electrically conductive
- High heat deflection temperature
- High temperature resistance
- Good mechanical properties

#### Typical industries

- Electronics
- Semiconductor Industry
- Oil and Gas
- Chemical Processing Industry
- Aerospace

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	1,47
<b>Mechanical properties</b>			
Elongation at break	DIN EN ISO 527	%	1
Tensile strength	DIN EN ISO 527	MPa	50
Impact strength	DIN EN ISO 179	kJ / m <sup>2</sup>	6
Notched impact strength	ISO 179-1/1eA	kJ / m <sup>2</sup>	2
Shore hardness	DIN EN ISO 868	scale D	82
Ball indentation hardness	DIN EN ISO 2039-1	MPa	231
Elastic modulus of compression	DIN EN ISO 604	MPa	3800
<b>Thermal properties</b>			
Melting temperature	ISO 11357-3	°C	342
Service temperature, long term	Average	°C	-60...250
Service temperature, short term (max.)	Average	°C	300
<b>Electrical properties</b>			
Surface resistivity	DIN EN 62631-3-2	Ω	<=10 <sup>4</sup>

