

Technical Data Sheet

SustaPEEK CM MOD black

PEEK

Typical characteristics

- Good sliding properties
- Good wear properties
- High rigidity
- Flame retardant
- Self-extinguishing
- Low smoke density
- Good resistance against high energy radiation
- Low creep tendency
- High continuous service temperature

Typical industries

- Electronics
- Conveyor Technology & Automation
- Mechanical Engineering Industry
- Aerospace

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,47
Mechanical properties			
Elongation at break	DIN EN ISO 527	%	1
Tensile strength	DIN EN ISO 527	MPa	50
Impact strength	DIN EN ISO 179	kJ / m ²	6
Notched impact strength	DIN EN ISO 179	kJ / m ²	2
Ball indentation hardness	DIN EN ISO 2039-1	MPa	231
Shore hardness	DIN EN ISO 868 / 15 sek	scale D	82
Compressive strength	DIN EN ISO 604	MPa	3800
Thermal properties			
Melting temperature	ISO 11357-3	°C	342