

Technical Data Sheet

SustaPEEK CM LD natural

PEEK

Typical characteristics

- Low weight
- High dimensional stability
- Good thermal stability
- Good mechanical properties
- Flame retardant
- Chemical resistant

Typical industries

- Mechanical Engineering Industry
- Aerospace
- Vehicle Construction
- Renewable Energies
- Ship & Boatbuilding
- Sports & Leisure

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	0,95
Mechanical properties			
Elongation at break	DIN EN ISO 527	%	2
Tensile modulus of elasticity	DIN EN ISO 527	MPa	4700
Tensile strength	DIN EN ISO 527	MPa	65
Notched impact strength	DIN EN ISO 179	kJ / m ²	2
Shore hardness	DIN EN ISO 868	scale D	85
Ball indentation hardness	DIN EN ISO 2039-1	MPa	250
Elastic modulus of compression	DIN EN ISO 604	MPa	4000
Thermal properties			
Melting temperature	ISO 11357-3	°C	337
Service temperature, long term	Average	°C	-60...250
Service temperature, short term (max.)	Average	°C	310