

Technical Data Sheet

SustaPEEK CM CT200

PEEK

Typical characteristics

- High cold impact strength
- High heat deflection temperature
- Good sliding properties
- Chemical resistant
- NORSOK M710 compliant

Typical industries

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

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,43
Mechanical properties			
Elongation at break	DIN EN ISO 527	%	4
Tensile modulus of elasticity	DIN EN ISO 527	MPa	3200
Tensile strength	DIN EN ISO 527	MPa	70
Notched impact strength	DIN EN ISO 179	kJ / m ²	3,5
Shore hardness	DIN EN ISO 868	scale D	86
Elastic modulus of compression	DIN EN ISO 604	MPa	3250
Thermal properties			
Melting temperature	ISO 11357-3	°C	330
Service temperature, long term	Average	°C	-200...250
Service temperature, short term (max.)	Average	°C	300

