# 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

- 石油和天然气
- Semiconductor Industry
- 航空航天
- 化学处理行业

| | 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 |

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