

## 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 |
|----------------------------------------|-------------------|---------------------|-----------------|
| <b>General properties</b>              |                   |                     |                 |
| Density                                | DIN EN ISO 1183-1 | g / cm <sup>3</sup> | 1,43            |
| <b>Mechanical properties</b>           |                   |                     |                 |
| 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 <sup>2</sup> | 3,5             |
| Shore hardness                         | DIN EN ISO 868    | scale D             | 86              |
| Elastic modulus of compression         | DIN EN ISO 604    | MPa                 | 3250            |
| <b>Thermal properties</b>              |                   |                     |                 |
| 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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