

### Technical Data Sheet

## SustaPEEK CM MOD ESD 90 black

PEEK

#### Typical characteristics

- Self-extinguishing
- Low smoke density
- high dimensional stability under heat

#### Typical industries

- Electronics
- Semiconductor Industry
- Mechanical Engineering Industry
- Aerospace

|                                | Test method       | Unit                | Guideline value                   |
|--------------------------------|-------------------|---------------------|-----------------------------------|
| <b>General properties</b>      |                   |                     |                                   |
| Density                        | DIN EN ISO 1183-1 | g / cm <sup>3</sup> | 1,39                              |
| <b>Mechanical properties</b>   |                   |                     |                                   |
| Elongation at break            | DIN EN ISO 527    | %                   | 2                                 |
| Tensile modulus of elasticity  | DIN EN ISO 527    | MPa                 | 5500                              |
| Tensile strength               | DIN EN ISO 527    | MPa                 | 85                                |
| Impact strength                | DIN EN ISO 179    | kJ / m <sup>2</sup> | 15                                |
| Notched impact strength        | DIN EN ISO 179    | kJ / m <sup>2</sup> | 2,6                               |
| Shore hardness                 | DIN EN ISO 868    | scale D             | 85                                |
| Elastic modulus of compression | DIN EN ISO 604    | MPa                 | 3800                              |
| <b>Thermal properties</b>      |                   |                     |                                   |
| Melting temperature            | ISO 11357-3       | °C                  | 342                               |
| <b>Electrical properties</b>   |                   |                     |                                   |
| Volume resistivity             | DIN EN 62631-3-1  | Ω * cm              | 10 <sup>6</sup> - 10 <sup>9</sup> |
| Surface resistivity            | DIN EN 62631-3-2  | Ω                   | 10 <sup>6</sup> - 10 <sup>9</sup> |

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