



PEEK standard values

| Properties | Unit | PEEK |
|---|------------------------|-------------------------------------|
| Injection moulding and extrusion temperature | °C | - |
| Maximum continuous operating temperature without load | °C | +260 |
| Embrittlement below | °C | - |
| Crystallite melting point | °C | +343 |
| Apparent density | g/cm ³ | 1,30 |
| Tear resistance | N/mm ² | 100 |
| Elongation at break | % | 45 |
| E-modulus (tensile) | N/mm ² | 3700 |
| Limiting flexural stress | N/mm ² | 165 |
| Notched impact strength (20°C) | kJ/m ² | 7,5 |
| Impact Strength/Izod | | |
| at +20 °C | J/m | - |
| at -57 °C | J/m | - |
| Shore hardness D | | - |
| Linear coefficient of thermal expansion at 20 - 100°C | 10 ⁻⁵ * K-1 | - |
| Thermal conductivity at +20 °C | W/mK | 0,29 |
| Oxygen index | Vol.-% O ₂ | - |
| Specific insulation resistance | Ohm x cm | 10 ¹⁶ |
| Surface resistance | Ohm | 10 ¹³ - 10 ¹⁴ |
| Water absorption | | 0,5 |
| Comparison values - 24 h | % | 0,00 |
| Swelling agents | | |
| Chemical corrosion by | | |