



Material Datasheet

Natural PEEK, extruded

PDS nr.: PDS-IM-208, edition: 13/08/2018
Filler content: -
Color: Tan
Test sample: extruded material rod \varnothing 20mm
QC responsible: Ruben Denteneer

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|--|----------------------|------|---------------------|
| Density | ISO 1183 (23°C) | 1,32 | gr/cm ³ |
| Moulding direction test samples (MD) | | | |
| Tensile Strength | ISO 527 (23°C) | 110 | N/mm ² |
| Elongation @ max stress | ISO 527 (23°C) | 6 | % |
| Elongation @ break | ISO 527 (23°C) | 20 | % |
| Compressive strength at 1% deformation | | 112 | N/mm ² |
| Shore D hardness | | 86 | |
| Min. continuous operating temperature | | -30 | °C |
| Max. continuous operating temperature | | 260 | °C |
| Max. operating temp. | | 300 | °C |
| Thermal expansion up to 150°C | | 5,0 | 1/K10 ⁻⁵ |
| Water absorption | ISO 62 (50%RH, 23°C) | 0,19 | % |
| Coëfficiënt of friction at steel (Dynamic – 23°C) | | 0,35 | |
| Coëfficiënt of friction at steel (Dynamic – 200°C) | | 0,78 | |