

Application purpose and characteristics

lubricating & non-lubricating hydraulic fluids; water hydraulics, hard mating surfaces; seal with prestressing spring; short strokes/high frequency

| | |
|---|-------------------------|
| Material name, short description | PTFE |
| Material name, based on technical standards | PTFE carbon fibres |
| Density | 2.090 g/cm ³ |
| Color | dark grey |
| Compound code | PTFE CF.328-04 |

Mechanical properties

| | |
|---------------------------|---------------------------------------|
| Tensile strength at break | ≥ 20 N/mm ² ASTM D 4894 |
| Elongation at break | ≥ 240 % ASTM D 4894 |
| Hardness nominal value | 50 Shore D ASTM D 2240 |

Thermal attributes

| | |
|--------------------------------------|---------|
| Min. operating temperature | -200 °C |
| Max. operating temperature long term | 260 °C |

In compliance with **RoHS** and **REACH** directives.

This information is based on our available data. These values are measured on standard test specimens and are within the normal tolerance range of material properties and do not represent guaranteed property values. Therefore they shall not be used for specification purposes. The customer is solely responsible for quality and suitability of material for his application. He has to test usage and processing prior to use. Angst+Pfister makes no guarantees for the suitability of the material for any given application and assumes no obligation or liability in connection with the information provided above.