

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	2.07 g/cm³
Color	black
Compound code	PTFE CF.429-01
Remarks	High grade of PTFE with 10% Carbon fiber

Mechanical properties

Tensile strength	25 N/mm² ASTM D 4894-07
Elongation at break	260 % ASTM D 4894-07
Hardness nominal value	54 ±5 Shore D ASTM D 2240-05
Hardness test value	54 Shore D ASTM D 2240-05

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.