

Application purpose and characteristics

low gas permeability; improved resistance to pressure and wear vs. virgin PTFE (compressive strength)

Material name, short description	PTFE
Material name, based on technical standards	PTFE modified
Density	2.17 g/cm³
Color	turquoise
Compound code	PTFE MD.429-03
Remarks	Virgin PTFE with additive

Mechanical properties

Tensile strength	39 N/mm² ASTM D 4894-07
Elongation at break	430 % ASTM D 4894-07
Hardness nominal value	52 ±5 Shore D ASTM D 2240-05
Hardness test value	52 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.