



PFA standard values

Properties	Unit	PFA
Injection moulding and extrusion temperature	°C	340 to 370
max. continuous operating temperature without load	°C	+260
Embrittlement below	°C	-200
Crystallite melting point	°C	+305 to +310
Apparent density	g/cm ³	2,14 to 2,17
Tear resistance	N/mm ²	15 to 30
Elongation at break	%	300
E-modulus (tensile)	N/mm ²	600
Limiting flexural stress	N/mm ²	15
Notched impact strength (20°C)	kJ/m ²	-
Impact Strength/Izod		
at +20 °C	J/m	o.B.
at -57 °C	J/m	-
Shore hardness D		62
Linear coefficient of thermal expansion at 20 – 100°C	10 ⁻⁵ * K ⁻¹	13
Thermal conductivity at +20 °C	W/mK	0,6
Oxygen index	Vol.-% O ₂	95
Specific insulation resistance	Ohm x cm	10 ¹⁸
Surface resistance	Ohm	10 ¹⁷
Water absorption		
Comparison values – 24 h	%	0,03
Swelling agents		some halogenated solvents at high temperatures
Chemical corrosion by		refer to PTFE