

Fluoro-polymers (PTFE)		
Properties	Unit	Range
Maximum operating temperatur	° C	< 260
Thermal conductivity	W / (m*K)	0.3
Thermal expansion at 20 - 100°C	α	$\sim 20 \cdot 10^{-5} 1/K$
Specific temperature capacity	J/(Kg*K)	0.96
Electrical conductivity	Ω/\square	$10^4 - 10^{12}$
Specific resistance	$\Omega \cdot \text{cm}$	10^{18}
Density	g / cm ³	2.2
Surface roughness Ra	μm	0.2 (Rz: 1-4)
Tensile strength	N/mm ²	22 - 40
Elongation at break	in %	350
Coating thicknesses	μm	10 - 150 ($\pm 3 - 5$)