

General information:

PTFE is inert, even aggressive acids cannot harm it. It is very resistant to lyes, alcohols, ketones, benzines, oils etc. It is not resistant to strong reducing agents like solvents of alkali metals, to liquid ammonia or to very strong oxidisers. PTFE has a very low coefficient of friction. There are almost no materials that stick to PTFE. PTFE is incombustible, in hot flame appears decomposition at red heat.

Physical properties:

Property	Value	DIN
Density (gr/cm ³)	2.15	--
Tensile strength (MN/m ²)	--	--
Elongation at break (%)	100	--
Modulus of elasticity (MN/m ²)	1000	--
Notched impact strength (kJ/m ²)	--	--
Ball indentation hardness (MN/m ²)	--	--
Continuous operating temperature (max °C)	250	--
Volume resistivity (Ω.cm)	--	--
Dielectric dissipation factor tan: (10 ³ Hz)	--	--
Dielectric strength (MV/m)	--	--
Coefficient of friction (compared with) (--)	--	--

Chemical resistance:

Resistance to

Benzine	+	Weak lyes	+
Benzol	+	Strong lyes	+
Mineral oils	+	Weak acids	+
Vegetable oils	+	Strong acids	+

Important note:

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