

General information:

Beside its excellent chemical resistance (comparable to PTFE) PVDF features improved mechanical values (compared to PTFE). PVDF can be applied in a large temperature range (-50°C to +150°C) without losing its mechanical properties.

Physical properties:

Property	Value	DIN
Density (gr/cm ³)	1.78	--
Tensile strength (MN/m ²)	50	53455
Elongation at break (%)	50	53455
Modulus of elasticity (MN/m ²)	2000	53457
Notched impact strength (kJ/m ²)	>15	53453
Ball indentation hardness (MN/m ²)	110	53456
Continuous operating temperature (max °C)	160	--
Volume resistivity (Ω.cm)	--	53482
Dielectric dissipation factor tan: (10 ³ Hz)	--	53483
Dielectric strength (MV/m)	--	53481
Coefficient of friction (compared with) (--)	--	--

Chemical resistance:

Resistance to

Benzine	-	Weak lyes	0
Benzol	+	Strong lyes	0
Mineral oils	+	Weak acids	+
Vegetable oils	+	Strong acids	+

Important note:

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