

Technical Film

Tecfilm® PVDF TC 00130

Description: Tecfilm® PVDF TC 00130 is a high-crystalline, thermoplastic fluoropolymer with good mechanical, thermal and electrical properties and excellent chemical resistance. Compared to other fluoropolymers Tecfilm® PVDF TC 00130 has a low density and good workability and dimensional stability.

Application: Tecfilm® PVDF TC 00130 is used for example as pump components, valve body / valve parts, seals, bearings or fittings.

Colour: Tecfilm® PVDF TC 00130 is available, natural in colour (white or ivory).

Form of Supply: Tecfilm® PVDF TC 00130 can be delivered on roll or as tape, customized cut and die-cut part, as well as self-adhesive. Other delivery forms upon customer request.

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Properties	Norm	Unit	Value
Density	DIN 53 479	g/cm ³	1.78
Tensile Yield Stress	DIN 53 455	Mpa	56
Elongation	DIN 53 455	%	22
Modulus of Elasticity	DIN 53 457	MPa	2.000
Flexural Modulus of Elasticity	DIN 53 457	MPa	2.000
Flexural Strength	DIN 53 452	Mpa	75
Impact Strength	DIN 53 453	kJ/m ²	o.B.
Notch Impact Strength	DIN 53 453	kJ/m ²	>15
Ball Indentation Hardness H _{358/30}	DIN 53 456	Mpa	120
Time Stretch Tension at 1% Elongation	DIN 53 444	MPa	3
Coefficient of Friction against Steel	-	-	0.3
Melting Temperature	DIN 53 763	°C	+178
Thermal Conductivity	DIN 52 612	W/(K * m)	0.19
Specific Thermal Capacity	-	J/(g*K)	0.96
Linear Expansion Coefficient	-	10 ⁻⁵ *K ⁻¹	13
Temperature Range (long term)	-	°C	-40 / +140
Temperature Range (short time)	-	°C	+160
Flammability Class	UL 94	-	V-0
Dielectric Constant	DIN 53 483	-	8.0
Dielectric Loss Factor	DIN 53 483	-	0.165
Volume Resistivity	DIN 53 482	Ω * cm	5 x 10 ¹⁴
Surface Resistivity	DIN 53 482	Ω	10 ¹³
Dielectric Strength	DIN 53 481	KV/mm	25
Comparative Tracking Index	DIN 53 480	-	CTI 600

Trademark Information: Tecfilm® is a registered trademark of the company Dr. Dietrich Müller GmbH, Germany.

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Please note:

The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and user from own tests and inspections because of the plenty of possible effects. There is no judicial binding assurance of certain properties or of the qualification for a concrete application in our declaration. We recommend consulting us in individual cases. The acceptor of our products has to observe possible industrial property rights as well as present laws by himself.

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