

Technical Film

Tecfilm® PAR TC 00181

Structure: Tecfilm® PAR TC 00181 is available with a gloss or matt finish on both sides.

Characteristics: Tecfilm® PAR TC 00181 has a high tensile strength and is resistant to breakage and splintering. In addition the film has a high temperature resistance.

Application: Tecfilm® TC is flame resistance (VTM 0) from 60µm and is used for electrically insulating deep drawn parts and winding films, also as insulation material in coils, transformers and capacitors. The film can be used as a base film for high temperature resistant adhesive tape, for interior wall / ceiling suspension. In addition the film is good for labeling, whereby the matt side is erasing and smudge resistant.

Form of Supply: Tecfilm® PAR TC 00181 is available in rolls up to 120 cm wide in lengths from 1000 mm.

Storage Conditions: Tecfilm® PAR TC 00181 can be stored for up to two years under normal conditions (23 ° C, 50% RH).

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Properties	Norm	Unit	Value
Total Thickness		mm	0.06 0.100 0.200
Color			colourless, glossy or one side matt
Density	DIN 53479	g/cm ³	1,21
water absorption		%	0,35
Tensile strength	ASTM D 790	N/mm ²	84
Elongation at break		%	~ 100
Glass transition temperature		°C	193
Heat Deflection Temperature		°C	175
Thermal endurance1)	DIN IEC 216-2 (VDE 0304/22)	°C	166
Coeff. of thermal expansion		1/°C	60 x 10 ⁻⁶
Dielectric strength		kV/mm	160
Relative permittivity 1 Mhz	IEC 250	-	3,2
Dissipation Factor, 1 Mhz	IEC 250	-	0,0023
Volume Resistivity	IEC 93	Ω cm	1,4 x 10 ¹⁶

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

Information:

The information in this Technical Data Sheet is based on our present knowledge and experiences. It does not release the user from conducting their own trials and examinations to determine the suitability of the product for his intended use. A legally obligatory warranty of certain characteristics or the suitability for a specific targeted application cannot be derived from our data. Depending upon individual cases we recommend consultation with us. Any patent rights as well as existing laws are to be considered by the receiver of our products as their own responsibility.

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