

Technical films

Tecfilm® PEEK TC 00600

Material: Tecfilm® PEEK TC 00600 is a semi-crystalline PEEK-film.

Properties: Tecfilm® PEEK TC 00600 offers high performance at high temperatures, low weight as well as good mechanical strength, chemical resistance and low moisture absorption.

Applications: Tecfilm® PEEK TC 00600 is used for insulation, pressure sensitive tapes, printed circuit substrates and capacitors.

Delivery forms: Tecfilm® PEEK TC 00600 is available as roll or tape, customized cut or die-cut part as well as self-adhesive. Other delivery forms upon customer request.

Storage conditions: Tecfilm® PEEK TC 00600 should be stored in its original packaging at max. 50°C.

Dr. Dietrich Müller GmbH

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Properties	Test method	condition	Unit	Value	
Tensile modulus	ISO 527	23°C	GPa	2,5	2,5
Tensile strength at break	ISO 527	23°C	MPa	130	120
Tensile elongation at break	ISO 527	23°C	%	>150	>150
Puncture strength	Def Stan 81-75	23°C	kJ/m ²	26	
Tear strength	ISO 6383-1	23°C	N/mm	6	8
Shrinkage	TM-VX-84	200°C	%	≤0,5	≤0,5
Water absorption (50% RH)	ISO 62	23°C, 24 h	%	0,04	
Specific gravity	ISO 1183	23°C		1,3	
Coefficient of linear thermal expansion	ASTM D696	MD, unter T _g	Ppm/C°	47	
Dielectric strength 6,35 mm electrode	ASTM D149	23°C	kV/mm	190	
Dielectric constant	ASTM D150	23°C, 10 MHz		3,5	
Loss tangent	ASTM D150	23°C, 10 MHz		0,002	
Volume resistivity	ASTM D150	23°C, 100V	Ohm cm	4,00E+16	

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

Please note:

The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and the 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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