

Technical films

Tecfilm® PC TC 00100

Description: Tecfilm® PC TC 00100 is a technical film made of polycarbonate with a velvety texture on one side and matt on the other.

Properties: Tecfilm® PC TC 00100 has high temperature resistance and exceptional dimensional stability. Tecfilm® PC TC 00100 is printable.

Applications: Tecfilm® PC TC 00100 is used as insulation film for electrical applications.

Colour: transparent

Delivery forms: Tecfilm® PC TC 00100 is available as roll or tape, die-cut and thermoformed part as well as customized cut and self-adhesive. Other delivery forms upon customer request.

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Properties	Test method	Unit	Value
Mechanical properties			
Ultimate elongation	ISO 527	MPa	62
Tensile strength	ISO 527	MPa	65
Tensile modulus	ISO 527	MPa	2506
Tear strength	ISO 527	%	100-154
Impact strength	ISO 5502-1	J	31
Puncture resistance	ASTM D3763	J	12
Thermal properties			
Coefficient of thermal conductivity	ASTM D5470	W/m.K	0,2
Coefficient of thermal expansion	ISO 11359	X 10 ⁻⁵ /°C	5,8
Spec. Heat	ASTM E1269	KJ/Kg-°C	1,25
Glasstransitiontemperature	ISO 11357	°C	153
Vicat softening temperature	ASTM 1525-00 modifiziert	°C	156
Heat deflection temperature	ISO 75 modifiziert	°C	175
Shrinkage at 150°C	ASTM D1204	%	1,4
Brittletemperature	ASTM D746	°C	-135

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.

Dr. Dietrich Müller GmbH