

## Technical films

### Tecfilm® PC TC 00103

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**Description:** Tecfilm® PC TC 00103 is an unfilled polycarbonate-extrusion film with a bedding additive, which is glare free and scratch resistant. In applications with backlit components Tecfilm® PC TC 00103 exhibits an even extensive illumination.

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**Properties:** Tecfilm® PC TC 00103 has a fine texture on one side with a matt finish, is glare free and scratch resistant. Tecfilm® PC TC 00103 is classified as VT-2 according to UL94.

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**Applications:** Tecfilm® PC TC 00103 can be used for type plates, covers and displays. The film exhibits excellent graphic quality when printed.

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**Colour:** black. Other colours upon customer request.

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**Delivery forms:** Tecfilm® PC TC 00103 is available in thicknesses of 300 to 500 µm and 750 µm on a roll. The standard widths are 1000 mm and 1200 mm. Various surface mappings can be provided (high gloss both sides, fine matted and structured). Tecfilm® PC TC 00103 can be delivered as a die-cut or molded part, customized cut or tape as well as self-adhesive. Other delivery forms upon customer request.

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## Tecfilm® PC TC 00103

Properties	Test method	Unit	Value
Density	ISO 1183, 20°C, Method C	g/cm <sup>3</sup>	1,2
Thickness	Acc. to ISO 4593, 23°C	µm	300, 500
Gloss level	ISO 2813, angle 60°, black back print	Skt	
Top side			≥80
Back side			<60
Roughness R3z	Acc. to ISO 4288, Lm 12,5 mm, lc 2,5 mm, mean value 3-5 test	µm	
Top side			<1,0
Back side			<11
Light transmission	ISO 13468-2	%	
300 µm back side			86
300 µm top side			86
500 µm back side			81
500 µm top side			81
Haze	ASTM D1003	%	
300 µm back side			100
300 µm top side			100
500 µm back side			100
500 µm top side			100
Angle of half intensity	Acc. to DIN 5036	Degree	
300 µm top side			20
500 µm top side			28
Breaking tension	ISO 527-1, -3	MPa	
Lengthwise			≥65
Crosswise			≥65
Elongation at break	ISO 527-1, -3	%	
Lengthwise			≥120
Crosswise			≥120
Tensile modulus	ISO 527-1, -3	MPa	
Lengthwise			≥2200
Crosswise			≥2200
Relative temperature index	UL 746 B	°C	80
Surface resistance	Acc. to DIN IEC60093	Ohm	10 <sup>16</sup>
Water absorption	Acc. to ISO 62	%	0,2

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**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 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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