

Technical films

Tecfilm® PC TC 00102

Description: Tecfilm® PC TC 00102 is an unfilled polycarbonate-film, that is glare-free and scratch resistant.

Properties: Tecfilm® PC TC 00102 has a fine structure on one side and is very fine matted on the other. Furthermore, it's glare free and scratch resistant. Tecfilm® PC TC 00102 is translucent and classified as VTM-2 according to UL94.

Applications: Tecfilm® PC TC 00102 is a transparent and translucent film, which is especially suited for type plates and displays. The film offers exceptional quality when printed.

Colour: black. Other colours upon customer request.

Delivery forms: Tecfilm® PC TC 00102 is available in thicknesses of 125 to 475 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 00102 can be delivered as a die-cut or molded part, customized cut or tape. Other delivery forms upon customer request.

Tecfilm® PC TC 00102

Property	Test method	Unit	Value
Elongation at break at 23°C	ISO 1184	%	140
Tensile modulus at 23°C	ISO 1184	MPa	2300
Tensile strength, lengthwise	ISO 1184	MPa	70
Coefficient of linear expansion, lengthwise at 20 – 120°C	DIN 53752	10 ⁻⁶ x K ⁻¹	70
Coefficient of linear expansion, crosswise at 20 – 120°C	DIN 53752	10 ⁻⁶ x K ⁻¹	70
Burning rate at 23°C	DM VVS 302	mm/min	≤100
Permittivity value at 50 Hz	IEC 250	-	3.0
Permittivity value at 1 KHz	IEC 250	-	3.0
Permittivity value at 1 MHz	IEC 250	-	3.0
Dielectric dissipation factor at 50 Hz	IEC 250	10 ⁻⁴	9
Dielectric dissipation factor at 1 KHz	IEC 250	10 ⁻⁴	10
Dielectric dissipation factor at 1 MHz	IEC 250	10 ⁻⁴	100
Dielectric strength at 50 Hz	IEC 243	kV/mm	60
Electric corrosive effect	IEC 426	-	Level A1
Water absorption in water	ISO 62	%	0.35
Density at 20°C/Method C	ISO 1183	g/m ³	1.2

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