

Technical films

Tecfilm® TC 00031

Description: Tecfilm® TC 00031 is a technical matt film on the basis of polymethyl methacrylate (PMMA) and it is equipped with different amount of UV-absorber. Furthermore Tecfilm® TC 00031 is very weather-resistant and absolutely colourless.

Applications: Tecfilm® TC 00031 can be used in many different applications, because of its colourlessness Tecfilm® TC 00031 can be imprinted in many ways and does not influence the printing results. Because of that Tecfilm® TC 00031 is often used for reflective traffic signs or high-class labels. Since Tecfilm® TC 00031 has many different properties, it is also suitable for outer applications like displays or applications which require a high UV protection.

Standard colour: Tecfilm® TC 00031 is absolutely colourless.

Delivery forms: Tecfilm® TC 00031 can be delivered on rolls, glossy chill rolls, as calendered film as well as sheet, board or die-cut part. Tecfilm® TC 00031 can also be equipped with a PVC lamination.

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Property	Test method	Unit	Value
Working temperature	-	°C	145 – 155
Yield stress	ISO 527-3	MPa	32
Elongation	ISO 527-3	%	4
Elongation at break	ISO 527-3	%	>50
Vicat softening temperature	ISO 306	°C	86
Specific heat	-	kJ/kgK	1.78
Xenotest 1200/8000 h	-	-	No visible change
Transmission factor D 65	DIN 5036	%	90
UV-Transmission (280-380 nm)	DIN 5036	%	≤ 1
Turbidity	ASTM D 1003	%	-
Yellowness	ASTM D 1925	-	≤ 1
Refractive index	ISO 489	-	1.49
Gloss (60°)	DIN 67 530	-	17
Volume resistivity	IEC 250	Ohm-cm	>10 ¹³
Dielectric constant 100 Hz – 1 Mhz	IEC 250	-	0.04 – 0.03
Surface tension	-	mN/m	50
Density	ISO 1183	g/cm ³	1.13

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 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