

Technical films

Tecfilm® TC 00444

Description: Tecfilm® TC 00444 is made of virgin polytetrafluorethylene, which is grouted, peeled and sintered.

Properties: Tecfilm® TC 00444 offers exceptional properties due to its cauterization, even at higher temperatures which cause very good adhesion properties. Tecfilm® TC 00444 also has a very good resistance against chemicals and good dielectric characteristics and can be removed easily and quickly.

Applications: Tecfilm® TC 00444 is used in the electronic industry for electrical insulation of wires and cables and is applied to non-stick and anti-squeak surfaces. Tecfilm® TC 00444 is also used for sectors, which require a high chemical resistance.

Colour: grey

Delivery forms: Tecfilm® TC 00444 is available as a die-cut or molded part, customized sheet or tape/roll (up to approx. 1500 mm width). Tecfilm® TC 00444 can be delivered with a thickness of 0,0125 mm to 6,0 mm. Other delivery forms upon customer request.

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Property	Testmethod	Unit	Value
Service temperature		°C	260
Density	DIN EN ISO 1183-1	g/cm ³	2,13-2,19
Tensile strength	DIN EN ISO 527	N/mm ²	≥25
Elongation	DIN EN ISO 527	%	≥280
Surface quality		Micron	Rt≤10
Ball indentation hardness test 132/60, min. 4 mm thickness	DIN EN ISO 2039-1	N/mm ²	>23
Hardness	DIN EN ISO 868	Shore D	>54
Linear coefficient of thermal expansion 25-100°C	DIN 63752	/°C	25 x 10 ⁻⁴
Linear coefficient of thermal expansion 25-150°C	DIN 63752	/°C	36 x 10 ⁻⁴
Linear coefficient of thermal expansion 25-200°C	DIN 63752	/°C	90 x 10 ⁻⁴
Coefficient of friction			0,12 to 0,05
Surface tension	Droplet test	mN/m	≥45

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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