

Technical films

Tecfilm® FEP TC 00448

Description: Tecfilm® FEP TC 00448 is a transparent, thermoplastic film, that can be hot sealed, thermoformed, vacuumformed, heatbonded, welded, metalized and laminated with various other materials.

Properties: Tecfilm® FEP TC 00448 is hardly inflammable, heat resistant and has excellent electric properties, high flexibility and toughness. Tecfilm® FEP TC 00448 offers low friction value and moisture absorption as well as weather resistance and non-stick properties.

Applications: Tecfilm® FEP TC 00448 is used for electronic applications e.g. as electric, wire and cable insulation. It is also used on non-stick and anti-squeak surfaces. Tecfilm® TC FEP 00448 is also used for appliances, where high chemical resistance is required.

Colour: transparent

Delivery forms: Tecfilm® FEP TC 00448 can be delivered as die-cut or molded part, customized cut, tape or roll (up to 1500 mm width). Tecfilm® FEP TC 00448 is available in thicknesses of 0,0125 mm to 0,250 mm. Other delivery forms and dimensions upon customer request.

Dr. Dietrich Müller GmbH

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Properties	Test method	Unit	Value
Tensile strength	ASTM D882	N/mm ²	21
Impact strength	ASTM D882	J/m	7,7 x 10 ³
Elastic limit	ASTM D882	MPa	12
Elongation	ASTM D882	%	300
Melting temperature	ASTM D3418 (DTA)	°C	260-280
Density	ASTM D1505	Kg/m ³	2150
Dielectric constant 25°C, 100 Hz-1 MHz	ASTM D150		2,0
Coefficient of friction	ASTM D1894		0,1 - 0,3
Coefficient of refraction	ASTM D542		1,341 – 1,347

Trademark information: Tecfilm® is a registered trademark of 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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