

Technical films

Flexiso® BT FI 16070

Description: Flexiso® BT FI 16070 is a polyimide film, that can be thermo-formed.

Properties: The formable polyimide film Flexiso® BT FI 16070 offers good elasticity at higher temperatures while maintaining the combination of exceptional physical and mechanical properties. These properties allow the production of deep drawn parts. They exhibit exceptional dimensional stability and minimal shrinkage.

Applications: Flexiso® BT FI 16070 is used for a variety of insulating functions in electrical engineering, e.g. insulation of coils, slot insulation for electro-motors, transformer- and capacitor-insulation, as well as the production of speaker membranes and switches.

Colour: black

Delivery forms: Flexiso® BT FI 16070 can be delivered as a die-cut of molded part, customized cut, on a roll or tape. Other dimensions and delivery forms upon customer request.

Storage conditions: Flexiso® BT FI 16070 should be stored in dry rooms at room temperature in its original packaging.

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Property	Unit	Value			
		25	50	75	100
Thickness	µm	25	50	75	100
Thickness tolerance	µm	±2,5	±5,0	±7,5	±10,0
Tensile strength	MPa	≥150			
Elongation	%	≥40			
Glass transition temperature	°C	265~285			
Dielectric strength	MV/m	≥160			
Contact resistance 200°C	Ωcm	≥1,0 x 10 ¹²			
Voltage constant		3,5 ± 0,4			
Stress facotr		≤4,0 x 10 ⁻³			

Trademark information: Flexiso® 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.