

electrical insulation material

Flexiso® BT FI 16070

Description: Flexiso® BT FI 16070 is a thermoformable polyimide film.

Properties: The formable polyimide film Flexiso® BT FI 16070 offers a good elongation at higher temperatures while maintaining its' exceptional physical, electric and mechanical properties. These properties allow the manufacturing of thermoformable parts, which exhibit dimensional stability and minimal shrinkage.

Application: Flexiso® BT FI 16070 is used for a variety of insulating tasks in electrical engineering and electronics, such as the insulation of windings, slot insulation for electro motors, transformer and capacitor insulation as well as manufacturing of loudspeaker membranes and switches.

Colour: black

Delivery forms: Flexiso® BT FI 16070 is available as a die-cut or molded part, customized cut, roll and tape as well as self-adhesive. Other delivery forms upon customer request.

Storage conditions: Flexiso® BT FI 16070 should be stored in dry areas and room temperature in its' original packaging.

Dr. Dietrich Müller GmbH

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Properties	Unit	Value			
Thickness	µm	25	50	75	100
Thickness-tolerance	µm	±2,5	±5,0	±7,5	±10
Tensile strength	MPa	≥150			
Elongation	%	≥40			
Glass transition temperature	°C	265~285			
Dielectric strength	MV/m	≥160			
Contact resistance	Ω.cm	≥1,0 x 10 ¹²			
Voltage stability	-	3,5 ± 0,4			
Voltage factor	-	≤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.

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