

Dr. Dietrich Müller GmbH, Zeppelinring 18, D-26197 Ahlhorn

Electrical Insulation Materials

Flexiso[®] FI 17021

Description: Flexiso[®] FI 17021 consists of mica paper based on calcined muscovite impregnated with resin and a polyimide film (e.g. Kapton[®]). Flexiso[®] FI 17021 is a dry and flexible mica tape with very good thermal stability.

Application: Flexiso[®] FI 17021 is used for insulation of rectangular copper conductors for windings of machines operating under severe thermal conditions or for insulation parts, at which thermal overloads are expected for a short time (e.g. next to welded joints in commutators).

Formats: Flexiso[®] FI 17021 is available on rolls of a maximum width of 980 mm and in tapes with a width from 10 mm.

Storability: Minimum 24 months at 20°C
Maximum 48 months at 5°C

Stand August 2011

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Properties	Test method	Unit	Value
Nominal thickness	IEC 60371-2	mm	0.09 +/-0.01
Thickness after pressing	IEC 60371-2	mm	0.06 +/-0.015
Total substance	IEC 60371-2	g/m ²	124 +/-10
Mica paper	IEC 60371-2	g/m ²	75 +/-3
Polyimide-film	IEC 60371-2	g/m ²	37 +/-2
		µm	25
Resin content	IEC 60371-2	g/m ²	12 +/-3
Breakdown voltage	IEC 60243-1	kV	³ 6.5
Tensile strength	IEC 60371-2	N/cm	³ 35
Stiffness	IEC 60371-2	N/m	£ 25
Thermal class	IEC 60216-2		155 - 180 (F-H)

Trademark Information: Flexiso® is a registered trademark of Dr. Dietrich Müller GmbH, Germany. Kapton® is a registered trademark of DuPont.

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.

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St.-Nr.: 68/207/07677 | Zertifiziert nach DIN EN ISO 9001:2008 | UL anerkannter Repacker E341377

Dr. Dietrich Müller GmbH

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