

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

Electrical insulating materials

Flexiso[®] PET FI 13002

Composition: Flexiso[®] PET FI 13002 is an electrical insulating film made of polyethylene terephthalate and it is used as area insulating material up to and including insulation class B (130°C).

Properties: Flexiso[®] PET FI 13002 is tensile and break resistant, dimensionally stable and has excellent electrical properties. The material has good heat- and cold resistance against common solvents.

Application: Flexiso[®] PET FI 13002 is used as interlayer- or cover layer insulation in transformers, chokes and relay bobbins. Furthermore Flexiso[®] PET FI 13002 is used as slot- and phase insulation, slot closure and slot casing as well as insulation layer in electrical devices and as supporting material for electrical insulation adhesive tapes.

Standard colour: Flexiso[®] PET FI 13002 is delivered in black as standard.

Delivery forms: Flexiso[®] PET FI 13002 is delivered on rolls (up to ca. 1000 mm), as tapes (from a width of 6 mm), as feathered tapes and as adhesive tapes. Other formats, cuts, die-cut or formed parts can be manufactured according to customer request, also for example self-adhesive and special measurements as per request.

Status September 2014

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info@mueller-ahlhorn.com | www.mueller-ahlhorn.com | Sitz der Gesellschaft: Ahlhorn
Geschäftsführer: Heinz-Jürgen Siebert | AG Oldenburg: HRB 209026 | Ust. ID-Nr.: DE 295969093
St.-Nr.: 68/207/07677 | Zertifiziert nach DIN EN ISO 9001:2008 | UL anerkannter Repacker E341377

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Storage conditions: Flexiso® PET FI 13002 is storable unlimited in its original packaging under normal conditions (20°C, 50% rel. air humidity).

Property	Test method	Unit	Value					
			25	50	125	190	250	300
Thickness	ASTM D 882	µm	± 12%	± 12%	± 12%	± 12%	± 12%	± 12%
Surface weight	ASTM D 882	g/m ²	32	70	175	265	350	418
Yield	ASTM D 882	m ² /kg	31	14	5.7	3,8	2.9	2.4
Tensile strength								
Longitudinal	ASTM	N/mm ²	≥210	≥190	≥180	≥190	≥190	≥190
Crosswise	D 882		≥230	≥210	≥200	≥220	≥200	≥200
Elongation								
Longitudinal	ASTM	%	≥130	≥140	≥150	≥190	≥210	≥210
Crosswise	D 882		≥110	≥120	≥130	≥140	≥170	≥180
Shrinking								
Longitudinal	ASTM	%	≤1.3	≤1.2	≤1.1	≤1.3	≤1.3	≤1.3
Crosswise	D 882		≤1.0	≤1.1	≤1.0	≤1.3	≤1.3	≤1.3

Trademark information: Flexiso® is a registered trademark of the company Dr. Dietrich Müller GmbH, Germany.

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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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