

Electrical insulating materials

Flexiso® PET FI 13001

Composition: Flexiso® PET FI 13001 is an electrical insulating film made of polyethylene terephthalate and is used as area insulating material up to and including insulation class B (130°C).

Properties: Flexiso® PET FI 13001 is tear- and tensile resistant, dimensionally stable and shows excellent electrical properties. This material has good heat- and cold resistance against common solvents.

Applications: Flexiso® PET FI 13001 is used as layer and cover insulation in transformers, chokes and relay coils. Furthermore Flexiso® PET FI 13001 is used as slot and phase insulation, slot closure and slot sleeve as well as insulation layer in electrical devices and as supporting material for electrical insulating adhesive tapes.

Standard colour: Flexiso® PET FI 13001 is delivered in transparent-white colour as standard.

Form of supply: Flexiso® PET FI 13001 is supplied on rolls (up to ca. 1000 mm), as reels (with a width from 6 mm), as feathered reels and as adhesive tape. Further formats, cuts, die-cut and formed parts are made according to customer request, for example self-adhesive alternative are also available.

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Storage conditions: Flexiso® PET FI 13001 can be stored unlimited under normal conditions (20°C, 50% rel. air humidity) and in its original packaging.

Property	Test method	Unit	Value					
			25	50	125	190	250	300
Total thickness	ASTM D 882	µm	± 12%	± 12%	± 12%	± 12%	± 12%	± 12%
Area 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								
MD	ASTM	N/mm ²	≥210	≥190	≥180	≥190	≥190	≥190
CD	D 882		≥230	≥210	≥200	≥220	≥200	≥200
Elongation								
MD	ASTM	%	≥130	≥140	≥150	≥190	≥210	≥210
CD	D 882		≥110	≥120	≥130	≥140	≥170	≥180
Shrinkage								
MD	ASTM	%	≤1.3	≤1.2	≤1.1	≤1.3	≤1.3	≤1.3
CD	D 882		≤1.0	≤1.1	≤1.0	≤1.3	≤1.3	≤1.3

Trademark information: Flexiso® is a registered trademark of the 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 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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