

Electrical insulating material

Flexiso® DMDM FI 14011

Description: Flexiso® DMDM FI 14011 is a 4-ply flexible laminate, which consists of polyester nonwoven-polyester film-polyester nonwoven-polyester film.

Characteristics: Flexiso® DMDM FI 14011 offers excellent electrical and mechanical properties as well as high thermal resistance.

Application: Flexiso® DMDM FI 14011 can be used as slot liner, phase and turn-to-turn insulation in electrical motors. It can also be applied as interlayer insulation in transformers and other appliances and electrical machines.

Delivery Form: Flexiso® DMDM FI 14011 can be delivered as customized cut or die-cut part, on roll or as tape. Other delivery forms upon customer request.

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Properties	Unit	Value					
		3-1-3-0,5	3-2-3-0,5	3-3-3-0,5	3-5-3-0,5	3-7,5-3-0,5	3-10-3-0,5
Structure		3-1-3-0,5	3-2-3-0,5	3-3-3-0,5	3-5-3-0,5	3-7,5-3-0,5	3-10-3-0,5
Nominal thickness	mm	0,20	0,22	0,25	0,3	0,36	0,41
Thickness tolerance	mm	±0,024	±0,026	±0,03	±0,03	±0,04	±0,4
Polyester fleece	mm	0,076	0,076	0,075	0,075	0,075	0,075
Polyester film	mm	0,025	0,050	0,075	0,125	0,190	0,250
Polyester fleece	mm	0,075	0,075	0,075	0,075	0,075	0,075
Polyester film	mm	0,012	0,012	0,012	0,012	0,012	0,012
Tensile strength, MD	N/10 mm	≥120	≥130	≥160	≥170	≥180	≥190
Tensile strength, TD	N/10 mm	≥100	≥110	≥140	≥160	≥170	≥180
Elongation, MD	%	≥15	≥15	≥15	≥5	≥5	≥3
Elongation, TD	%	≥20	≥20	≥20	≥5	≥5	≥3
Breakdown voltage	kV	≥8	≥9	≥10	≥12	≥15	≥17
Bond strength, 180±2°C, 10 min.		No delamination, no blister, no adhesive flow					

Dr. Dietrich Müller GmbH

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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 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.

Dr. Dietrich Müller GmbH