

Electrical insulating materials

Flexiso[®] VPV FI 13070

Composition: Flexiso[®] VPV FI 13070 is a three ply insulation made of polyester film and polyester non-woven on both sides. Flexiso[®] VPV FI 13070 is used in insulation class B (130 °C).

Properties: Flexiso[®] VPV FI 13070 is equipped with very impregnable outer layers therefore it has a good impregnation with impregnating and trickle resins of all insulation classes and characterizes by good bonding to all winding components. Flexiso[®] VPV FI 13070 has a smooth surface and can be processed very good, in addition to that it has a good chemical resistance.

Applications: Flexiso[®] VPV FI 13070 is used as slot insulation, slot closure and layer insulation (for coil end and phase insulations) in the electro engineering.

Delivery forms: Flexiso[®] VPV FI 13070 is supplied on rolls (up to ca. 1260 mm), as reels (with a width from 4 mm) and also as feathered reels. Further formats, cuts, die-cut or formed parts are manufactured according to customer request, for example self-adhered.

Storage conditions: Flexiso[®] VPV FI 13070 can be stored unlimited under normal conditions (20°C, 50% rel. air humidity) in the original packaging. The material should be protected against humidity, dryness and direct sun- und UV-radiation as well as heat influence.

Dr. Dietrich Müller GmbH

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Property	Test method	Unit	Value						
			0.15 ± 15%	0.18 ± 15%	0.20 ± 15%	0.23 ± 15%	0.30 ± 15%	0.35 ± 15%	0.45 ± 3.5%
Total thickness	IEC-626-2	mm	0.15 ± 15%	0.18 ± 15%	0.20 ± 15%	0.23 ± 15%	0.30 ± 15%	0.35 ± 15%	0.45 ± 3.5%
Film thickness	IEC-626-2	µm	50	75	100	125	190	250	350
Area weight	IEC-626-2	g/m ²	140	190	220	260	350	425	560
Tensile strength									
MD	IEC-626-2	N/mm ²	≥90	≥90	≥100	≥100	≥110	≥110	≥100
CD			≥70	≥80	≥90	≥90	≥100	≥100	≥90
Elongation									
MD	IEC-626-2	%	≥25	≥30	≥25	≥25	≥25	≥30	≥30
CD			≥60	≥60	≥75	≥75	≥75	≥80	≥80
Breakdown voltage	IEC-626-2	kV	≥7	≥8	≥10	≥11	≥16	≥20	≥24

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.