

Electrical insulating materials

Flexiso[®] PPP FI 13095

Composition: Flexiso[®] PPP FI 13095 is a flexible multi-ply insulation material according to IEC 626-1. It is made of three-ply: inner ply: electrical insulation film made of polyester according to IEC 674, outer plies: high-density pressboard Type P 6.1 according to IEC 641-1. Flexiso[®] PPP FI 13095 is used as electrical insulating material up to insulation class B (130°C) in the electrical industry.

Properties: Flexiso[®] PPP FI 13095 has a pressboard outer ply which has a good impregnation with impregnating and trickle resins of all insulation classes and characterizes by good bonding to all winding components. Flexiso[®] PPP FI 13095 has a smooth surface and can be processed very good.

Applications: Flexiso[®] PPP FI 13095 is used as slot insulation, slot closure and layer insulation (for coil end and phase insulations).

Form of supply: Flexiso[®] PPP FI 13095 is supplied on rolls with widths of ca. 630 up to 1260 mm. Furthermore reels with a width from 4 mm are also available. Flexiso[®] PPP FI 13095 can be supplied in thicknesses of 0.07 mm up to 1.0 mm. Further formats, cuts, die-cut and formed parts can be manufactured according to customer request.

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Storage conditions: Flexiso® PPP FI 13095 has a humidity content of ca. 6 % when delivered. To ensure this humidity content which is required for processing, the material should either be stored in its unopened original packaging or in a room which has a temperature of ca. 20°C and ca. 65 % relative air humidity.

Property	Test method	Unit	Value				
			0.15	0.25	0.30	0.40	0.50
Nominal thickness	IEC 626-2	mm	0.15	0.25	0.30	0.40	0.50
Thickness tolerance max.	IEC 626-2	%	± 15	± 15	± 10	± 10	± 10
Area weight	IEC 626-2	g/m ²	170	320	380	510	635
Film thickness	IEC 626-2	µm	23	50	75	100	125
Tensile strength unfolded							
MD	IEC 626-2	N/mm ²	100	100	100	110	110
CD	IEC 626-2	N/mm ²	70	70	70	80	80
Elongation unfolded							
MD	IEC 626-2	%	5	5	5	5	5
CD	IEC 626-2	%	12	12	15	15	15
Electrical breakdown voltage unfolded	IEC 626-2	kV	7	9	16	18	20

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

Please note: The information in this data sheet are 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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