

Electrical Insulation Materials

Flexiso® GPI FI 16031

Structure: Flexiso® GPI FI 16031 is made of a polyimide film which is laminated on one side with glass cloth. The used laminating adhesive is high-temperature resistant.

Characteristics: Flexiso® GPI FI 16031 has good mechanical and electrical properties as well as good flexibility in a wide temperature range. The used glass cloth can be compromised and has a good impregnation for impregnating resins.

Application: Flexiso® GPI FI 16031 is used as slot and phase insulation or as layer insulation in low-voltage machines and transformers which have to meet high thermal requirements.

Standard colour: Flexiso® GPI FI 16031 is delivered in white/brown colour.

Delivery Forms: Flexiso® GPI FI 16031 is supplied in rolls (width max. 980 mm) and as reels (from 10 mm wide). Other formats, for example, blanks, die-cut and formed parts are supplied to customer specifications.

Storage conditions: Flexiso® GPI FI 16031 can be stored unlimited under normal conditions (20° C, 50 % rel. air humidity).

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Properties	Test method	Unit	Value
Total thickness	IEC-626-2	mm %	0.13 ± 15%
Film thickness	IEC-626-2	µm	25
Basis weight	IEC-626-2	g/m ²	150 ± 12%
Yield	-	m ² /kg	6.7
Tensile strength MD	IEC-626-2	N/mm ²	≥120
Tensile strength CD	IEC-626-2	N/mm ²	≥100
Elongation MD	IEC-626-2	N/10mm	≥2
Elongation CD	IEC-626-2	N/10mm	≥2
Humidity content	IEC-626-2	%	0.1
Breakdown voltage	IEC-626-2	kV	≥5,5

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

Information:

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