

Electrical Insulation Materials

Flexiso® GPIG FI 16032

Structure: Flexiso® GPIG FI 16032 is made of a polyimide film which is laminated on both sides with glass cloth. The used laminating adhesive is high-temperature resistant.

Characteristics: Flexiso® GPIG FI 16032 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® GPIG FI 16032 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® GPIG FI 16032 is delivered in white colour.

Delivery Forms: Flexiso® GPIG FI 16032 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® GPIG FI 16032 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	0.10	0.20	0.25
		%	±15%	±15%	±15%
Film thickness	IEC-626-2	µm	25	25	50
Basis weight	IEC-626-2	g/m ²	100	265	300
			±12%	±12%	±12%
Yield		m ² /kg	10.0	3.8	3.3
Tensile strength					
MD	IEC-626-2	N/mm ²	≥85	≥200	≥250
CD	IEC-626-2	N/mm ²	≥80	≥250	≥220
Elongation					
MD	IEC-626-2	N/10mm	≥3	≥2	≥2
CD	IEC-626-2	N/10mm	≥2	≥2	≥2
Humidity content	IEC-626-2	%	0.1	0.1	0.1
Dielectric strength	IEC-626-2	kV	≥3.5	≥5.5	≥9.5

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

Information:

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