

Electrical insulating materials

Flexiso® PI PG FI 16034

Description: Flexiso® PI PG FI 16034 is a flexible laminate made of Phlogopit-Mica (Samica®), impregnated with a silicone resin and reinforced on one side with a polyimide film. Flexiso® PI PG FI 16034 combines the excellent heat and insulation resistance of mica with the mechanical stability of polyimide film. Flexiso® PI PG FI 16034 is particularly suitable for applications where high dielectric strength and a high temperature class are required. Flexiso® PI PG FI 16034 corresponds to insulation class H (180°C).

Applications: Flexiso® PI PG FI 16034 is used in the electric and electric motor industry, especially for high-temperature insulation in electric motors and generators, insulation of high-voltage machinery, and applications that require high electrical and thermal load capacity

Forms of delivery: Flexiso® PI PG FI 16034 can be supplied in standard sizes 1000 mm × 1500 mm, cut to size and stamped parts.

Storage conditions: Flexiso® PI PG FI 16034 should be stored at room temperature in dry rooms.

Property	Test	Unit	Value
Thickness	IEC 60371-2	Mm	0.38 ± 0.06
Weight	IEC 60371-2	g/m ²	655 ± 50
Mica content	IEC 60371-2	g/m ²	580 ± 40
Binder	IEC 60371-2	g/m ²	38 ± 7
Polyimide Film	IEC 60371-2	g/m ²	37 ± 4
Dielectric strength	IEC 60243-1	KV	≥ 8
Insulation class	IEC 60085	-	H (180°C)

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

Please note:

The information in this technical data sheet is based on our current knowledge and experience. Due to the wide range of possible influences during application, it does not exempt the processor and user from carrying out their own tests and trials. A legally binding guarantee of certain properties or suitability for a specific application cannot be derived from our information. Depending on the individual case, we recommend consulting us. The recipient of our products is responsible for observing any industrial property rights and existing laws.
