

Mica tapes

Miglasil® 362.50

- ▶ Flexible thermal insulating material
- ▶ Outstanding extreme high temperatures
- ▶ Available in rolls or sheets
- ▶ Completely free of asbestos or ceramic fibres
- ▶ For the melting industry

General description

Miglasil® 362.50 consists of a phlogopite mica paper SAMICA® impregnated with a high quality silicone resin.

Application

Especially developed for applications at very high temperatures, Miglasil® 362.50 is a thermal and electrical insulation material, primarily used in the melting industry for industrial induction furnaces. Other applications can be insulations within lifting magnets, heat or fire shields, domestic appliances, car batteries.

Form of delivery

Miglasil® 362.50, 0.40 mm thick, is delivered in 1000 mm wide rolls. Thickness 0.70 mm is available in both rolls and sheets.

The thicknesses 1 mm, 1.50 mm and 2 mm are only available in sheet form. (1500 x 1000 mm).

Strips or tapes on demand.

Stored in a cool dry place and possibly in its original packing, Miglasil® 362.50 has a minimum of 12 months shelf life at temperatures not exceeding 25°C.

Glassfabric backed grades, 368.90-10 and 368.90-50, complete this Miglasil® product family.

Main characteristics

Miglasil® 362.50 is a relatively thick but yet highly flexible thermal and electrical insulating material recommended for applications up to the highest temperatures, using the most heat resistant phlogopite mica (1200°C). Completely free of asbestos or ceramic fibres, Miglasil® 362.50 is non combustible and free of any toxic gas or halogens emission. His flexibility allows shaping and foldering around complex pieces. Remaining flexible even after long periods at high temperatures, Miglasil® 362.50 does not form carbonized tracks.

Processing

Miglasil® 362.50 is delivered with an interleaving foil, which has to be removed before application. Sheets can be cut from the rolls into the size required for each furnace.

Health and safety

While processing Miglasil® 362.50 we recommend to follow all hygiene and safety standards.

		Value (0.40)	Value (0.70)	Value (1)	Value (1.5)	Value (2)	Test norm
Thickness	mm	0.40 ± 0.06	0.70 ± 0.10	1.00 ± 0.15	1.50 ± 0.20	2.00 ± 0.25	IEC 60371-2
Total weight	g/m ²	620 ± 75	1230 ± 150	1860 ± 230	2480 ± 300	3720 ± 450	IEC 60371-2
Mica paper	%	≥89	≥89	≥89	≥89	≥89	IEC 60371-2
Resin content	%	≤11	≤11	≤11	≤11	≤11	IEC 60371-2
Thermal Endurance	°C	1200	1200	1200	1200	1200	
Thermal conductivity	W/m.K	≤0.2	≤0.2	≤0.2	≤0.2	≤0.2	DIN 52612
Breakdown voltage	kV	≥4	≥8	≥12	≥16	≥20	IEC 60371-2

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