

MICA TAPES

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 with lifting magnets, heat or fire shields, domestic appliances, car batteries.

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. Re-sinising flexible even after long periods at high temperatures, Miglasil® 362.50 does not form carbonized tracks.

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

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.

		Value (0,40)	Value (0,70)	Value (1)	value (1,5)	Value (2)	Test nom
Thickness	mm	0,4+-0,06	0,7+-0,1	1+-0,15	1,5+-0,2	2+-0,25	IEC 60371-2
Total weight	g/m ²	620+-75	1230+-150	1860+-230	2480+-300	3720+-45	IEC 60371-2
Mica paper	%	≥89	≥89	≥89	≥89	≥89	IEC 60371-2
Resin content	%	≤11	≤11	≤11	≤11	≤11	IEC 60371-2
Breakdown voltage	kV	≥4	≥8	≥12	≥16	≥20	IEC 60371-2
Thermal conductivity W/m.k		≤0.2	≤0.2	≤0.2	≤0.2	0.2	DIN 52612
Thermal Endurance	°C	1200	1200	1200	1200	1200	

The product properties set forth in this data sheet are based on the results of testing of typical material produced by the affiliated companies of Von Roll Holding Ltd. (underneath referred as Von Roll). Some variation in product properties is typical. Comments or suggestions relating to any subject other than product properties are offered only to call the end-user's or other person's attention to considerations which may be relevant in the independent determination of the use and/or manner of use of product. Von Roll does not claim or warrant that the use of its product will have the results described in this data sheet or that the information provided is complete, accurate or useful. The user should test the product to determine its properties and its suitability for the intended use. Von Roll expressly disclaims any liability for any damage, harm, injury, cost or expense to any person resulting directly or indirectly from that person's reliance on any information contained in this data sheet.