

# Technical Data Sheet

## SW-SINTER FOIL

### Description:

**SW-SINTER FOIL** is flexible, cold-formable composite of glass fiber reinforced impregnated phlogopite mica paper and one or two layers (**F-version**) of non-woven glass. All components are bonded together with a high-temperature resistant silicone resin.

**SW-SINTER FOIL** has following characteristics: asbestos free, high elasticity and high mechanical stability.

**SW SINTER 04** is tear-resistant.

**SW-SINTER FOIL** is used as a slip plane, coil insulation for the coreless induction furnace, wrapping material for the crucible form, protective barrier during sintering of the lining material.

### Delivery form:

	<b>SW-SINTER 04</b>	<b>SW-SINTER 04 F</b>	<b>SW-SINTER 05 F</b>
Thickness:	0.40 mm*	0.40 mm*	0.50 mm*
Tolerance:	± 0.05 mm	± 0.05 mm	± 0.05 mm
Width:	1,000 mm	1,000 mm	1,000 mm
Length:	max. 100 m	max. 100 m	max. 100 m

\*measured with 0.01 N/mm<sup>2</sup> ± 10 %

**SW-SINTER FOIL** are rolls with a max. length of 100 m.



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<u>Technical Data</u>	<u>SW SINTER 04</u>	<u>SW SINTER 04 F</u>	<u>SW SINTER 05 F</u>
Dielectric strength Mica: at 20°C (IEC 60243)	~ 23 KV/mm	~ 23 KV/mm	~ 23 KV/mm
Thermal conductivity: at 200°C at 400°C (DIN 52612)	~ 0.20 W/(m·K) ~ 0.35 W/(m·K)	~ 0.20 W/(m·K) ~ 0.35 W/(m·K)	~ 0.20 W/(m·K) ~ 0.35 W/(m·K)
Tracking resistance Mica: (VDE 0303/1)	KA 3c	KA 3c	KA 3c
Temperature limit of application Mica:	1,200 °C	1,200 °C	1,200 °C

### Conformity:

Regulation **(EC) No 1907/2006** concerning the Registration, Evaluation, Authorization and Restriction of Chemicals **(REACH)**

Directive **2011/65/EU** on the Restriction of the use of certain Hazardous Substances in Electrical and Electronic Equipment **(RoHS)**

Full details can be found in our certificates and declarations of conformity.

**Note:** These technical data are average results of laboratory tests conducted under standard procedures and are subject to variations, and do not constitute a warranty or representation for which we assure legal responsibility.