

# dupré MicaSIL

## ELECTRO-THERMAL INSULATION SHEETS



### COMPOSITION

MicaSIL is a flexible electro-thermal insulation sheet consisting of phlogopite mica paper layers bonded with silicone resin.

### APPLICATIONS

- MicaSIL is mainly recommended as slip plane insulation between the crucible and the induction coil in induction furnaces and other thermal applications.
- MicaSIL protects the induction coil from the expansion forces of the refractory.
- MicaSIL serves as a barrier against leakage currents and acts as a good vapour barrier.

### TYPICAL PROPERTIES

	MicaSIL - P	MicaSIL - C
Composition	Phlogopite mica paper	Phlogopite mica paper with ceramic felt on one side
Thickness / mm	~ 0.5 mm	~ 3.5 mm
Dielectric Strength / kV mm <sup>-1</sup>	> 15	> 7
Thermal Conductivity / W m <sup>-1</sup> K <sup>-1</sup>	~ 0.7	~ 0.12
Maximum Temperature Resistance / °C	1000	1000

### PACKAGING AND STORAGE

Sheet: 950mm x 1000mm ± 10mm Roll: 950mm x 10m lengths

MicaSIL should be stored in a way that protects the sheets from mechanical damage or contamination.

  
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*Information presented above is given in good faith as accurate and reliable but is not to be taken as a guarantee. The figures provided are intended to be a guide to expected average values and should not be interpreted as a specification. Any potential applications referred to are not to be construed as recommendations. It is the responsibility of the user to determine suitability for any specific purpose.*

ISSUE 040919

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