

## OVERVIEW TECHNICAL DATA

# DOFLEX<sup>®</sup> MSP

<b>Product description</b>	Elastic composite material made of resin-bound Phlogopite Mica
<b>Standard colour</b>	grey
<b>Main applications</b>	Electrical and thermal insulation parts for machine engineering and process industry
<b>Delivery program</b>	Sheets, panels and highly precise machined parts and finished components

## Physical characteristics

Properties	Test Standard	Unit	Typical value
Specific density	ISO 1183	g/cm <sup>3</sup>	1,85

## Thermal characteristics

Properties	Test Standard	Unit	Typical value
Operating temperature, continuous	-	°C	700
Operation temperature, short-term	-	°C	1000
Coeff. of linear thermal expansion	DIN 51045	10 <sup>-6</sup> x K <sup>-1</sup>	60 / II 10
Thermal conductivity	DIN 52612	W/mK	0,2

## Electrical characteristics

Properties	Test Standard	Unit	Typical value
Comparative tracking index	IEC 112	-	KA 3 c
Electric strength (1)	IEC 243-1	KV/3 mm	60

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The standard values shown in this data sheet are measured by standard test methods. Depending on operation terms and dimensions the material properties can differ from these values.

Please contact our applications and sales engineers to clarify the suitability of the material for your application.