

OVERVIEW TECHNICAL DATA

DOFLEX[®] MSP

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

Physical characteristics

Properties	Test Standard	Unit	Typical value
Specific density	ISO 1183	g/cm ³	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 ⁻⁶ x K ⁻¹	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 (4)	IEC 243-1	KV/3 mm	60

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We reserve the right to make changes in the context of further technical developments. The guide values listed in this data sheet are not contractual data.

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