



DESCRIPTION

MICA01 is particularly well-suited for high-temperature applications in the automotive and steel industries, as well as for exhaust systems, burners, and furnaces.

Composition	Phlogopite mica flakes (> 90% in a silicone binder)
Color	Yellow / brown

APPLICATIONS

- Gas
- Oil
- Automotive
- Furnaces and ovens
- Iron and steel industry
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DIMENSIONS

Standard format (mm)	1000 x 1200 mm
Thickness (mm)	1.0 – 1.5 – 2.0 – 3.0 mm

TECHNICAL DATA

Typical value for a thickness of 2mm

Test description	Standard	Unit	Value
Temperature		°C	950
Pressure		MPa	0.5
Density	DIN 28090-2	g/cm ³	1.9
Compressibility	ASTM F36/J	%	15-35
Elastic recovery	ASTM F36/J	%	30-45
Thermal conductivity			
Perpendicular à 20°C		W/m.K	0.3
Horizontal à 20°C		W/m.K	3.0
Tensile strength	ASTM F152		20



TECHNICAL MATERIAL DATA SHEET

MICA01



Heat relaxation 300°C, 50 MPa, 16hr	DIN 52913	MPa	40
Dielectric strength 50%, 23°C, 24hr	ASTM D149	kV/mm	>15
Loss on ignition	DIN 52911	%	<5

The technical specifications mentioned above are typical average values obtained using the indicated test methods and are therefore subject to normal manufacturing variations.

They are provided for information purposes only. They do not constitute a guarantee, and we recommend conducting a trial before final application.