



MICALIT® F is mica based material. It has excellent thermal and chemical resistance making it suited to the high temperature conditions of the automotive and steel industry, exhaust systems, burners and ovens. It has good electrical insulation and low thermal conductivity properties.

PROPERTIES

	MECHANICAL RESISTANCE	THERMAL RESISTANCE	SEALABILITY PERFORMANCE	CHEMICAL RESISTANCE
SUPERIOR				
EXCELENT				
VERY GOOD				
GOOD				
MODERATE				

APPROPRIATE INDUSTRIES & APPLICATIONS

-  CHEMICAL INDUSTRY
-  PETROCHEMICAL INDUSTRY
-  AUTOMOTIVE AND ENGINE BUILDING INDUSTRY
-  HEATING SYSTEMS
-  HIGH TEMP. APPLICATIONS

Composition Mica flakes (phlogopite), silicon resin.

Colour Yellowish-brown to green

TECHNICAL DATA Typical values for a thickness of 2 mm

Density	DIN 28090-2	g/cm ³	1.9
Compressibility	ASTM F36J	%	20
Recovery	ASTM F36J	%	35
Loss on ignition	DIN 52811	%	<8
Stress resistance	DIN 52913		
50 MPa, 16 h, 300 °C		MPa	38
Max. operating temperature		°C/°F	950/1742

Dimensions of standard sheets

Sheet size (mm): 1000 x 1200
Thickness (mm): 0.4 - 3.0
Other dimensions and thicknesses are available on request.

Air (gas)	+	Nitrogen (gas)	+
Argon (gas)	+	Nitrous gases (NOx)	+
Asphalt	+	Oxygen (gas)	+
Bio-diesel	+	Paraffin oil	+
Borax	+	Petroleum (Crude oil)	+
Calcium chloride	+	Potassium chloride	+
Carbon dioxide (gas)	+	Potassium nitrate	+
Carbon monoxide (gas)	+	Sodium aluminate	+
Flue gas (Exhaust/Coke oven)	+	Sodium chloride	+
Fuel oil	+	Sodium silicate (Water glass)	+
Hydraulic oil (Mineral type)	+	Steam	+
Hydraulic oil (Phosphate ester-based)	+	Sulfur dioxide (gas)	+
Mineral oil (ASTM no.1)	+	Tar	+
Motor oil	+	Transformer oil (Mineral type)	+
Naphtha	+		

CHEMICAL RESISTANCE CHART

The recommendations made here are intended to be a guideline for the selection of the suitable gasket quality. Because the function and durability of the products depend upon a number of factors, the data may not be used to support any warranty claims.

- + Recommended
- ? Recommendation depends on operating conditions
- Not recommended



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