



MICALIT® P is mica based material with tanged stainless steel insert. It has excellent thermal, good chemical and mechanical 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

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

APPROPRIATE INDUSTRIES & APPLICATIONS

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

Composition	Mica flakes (phlogopite), silicon resin, tanged stainless steel sheet insert (AISI 316; 0.1 mm).
Colour	Yellowish-brown

TECHNICAL DATA Typical values for a thickness of 2 mm

Density	DIN 28090-2	g/cm ³	2.0
Compressibility	ASTM F36J	%	20
Recovery	ASTM F36J	%	35
Loss on ignition	DIN 52811	%	<5
Stress resistance	DIN 52913		
50 MPa, 16 h, 300 °C		MPa	42
Max. operating temperature		°C/°F	950/1742

Dimensions of standard sheets	Sheet size (mm): 1000 x 1200 Thickness (mm): 1.5 2.0 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