

Multitemp MP

Multitemp MP are phlogopite rigid mica sheets which are used in many applications requiring high temperature resistance, electrical insulation, high compressive strength and low sensitivity to chemical agents.

Multitemp MM is 100% free of toxicity, it has replaced asbestos in many applications.

Properties	Units	
Flexural strength (min)	MPa	120
Compressive strength @ 20 °C	MPa	400
Tensile strength	MPa	110
Dielectric Strength	KV/mm	25
Maximum Operating Temperature Continuous	°C	750
Intermittent	°C	1000
Thermal conductivity parallel to the sheet	W/m K	3
Thermal conductivity perpendicular to the sheet	W/m K	0,3
Thermal expansion parallel to the sheet	°K ⁻¹	1 x 10 ⁻⁵
Density	g/cm ³	2,2
Water absorption	%	<0,5
Weigth loss	%	<2
Fire resistance	UL 94	V-0
Composition Phlogopite Mica	%	90
Silicon Binder	%	10

Availability:

Sheet:	Size:	1000 x 1200 mm of 1000 x 2000 mm
	Thickness:	0,2 - 2 mm
	Size:	1020 x 1220 mm of 1020 x 2420 mm
	Thickness:	2,1 - 6 mm
	Size:	1020 x 1220 mm of 1020 x 2420 mm
	Thickness:	6,1 - 40 mm
	Size:	1020 x 1220 mm of 1020 x 2420 mm
	Thickness:	40,1 - 100 mm

Thickness deviation:

From 0,2 to 2 mm:	-7% / +7%
From 2,1 to 6 mm:	-5% / +7%
From 6,1 to 40 mm:	-4% / +5%
From 40,1 to 80 mm:	-2% / +3%