

Multitemp MM

Multitemp MM are muscovite 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	180
Compressive strength @ 20 °C	MPa	400
Compressive strength @ 200 °C	MPa	250
Tensile strength	MPa	155
Dielectric Strength	KV/mm	25
Tracking Resistance	V	500
Maximum Operating Temperature Continuous	°C	500
Maximum Operating Temperature Intermittent	°C	700
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
Weight loss	%	<1
Fire resistance	UL 94	V-0
Composition Muscovite Mica	%	90
Composition 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 - 80 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%