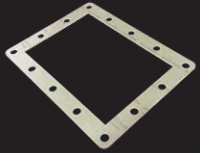




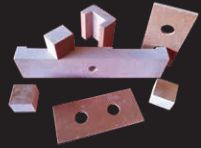
Silicone Bonded Mica



Rigid Thermal Insulation Boards



Heat Resistant Gasket Materials



Rigid Electrical Insulation Materials

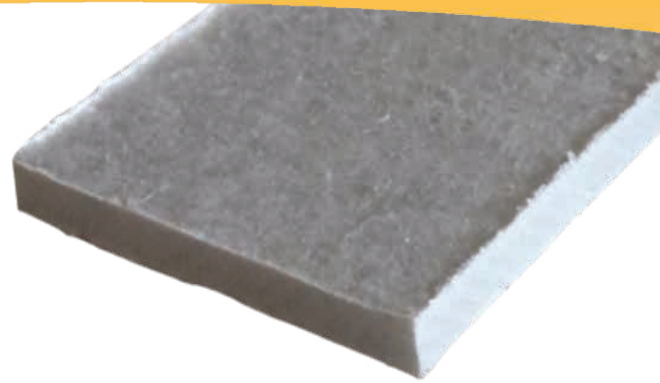


Custom Thermal Insulation Solutions

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Our Silicone Bonded Mica (SBIM-M) is a specialised, rigid, high temperature insulation material manufactured from muscovite mica laminations which are bound with a silicone resin.



The result is a mechanically strong material utilised in applications where continuous temperatures range as high as 500°C, or in short term environments of 600°C.

Exhibiting excellent dielectric and tensile strength, this silver/grey material also offers low thermal conductivity, excellent chemical resistance and is non-flammable.

The many performance capabilities of this unique product has led to it being utilised in a wide range of different applications, including; heat shields, corona protection barriers, arc shields, stand-off & brake grid insulators and thermal and electrical barriers.

Key Specifications	
Max. Temperature	500°C Continuous
Weight loss After Initial Heating	< 2%
Compressive Strength	350MPa at 20°C 200 MPa at 350°C
Dielectric Strength	>20kV/mm at 20°C
Specific Gravity	2.1 at 20°C
Colour	Silver / Grey
Mica Type	Muscovite
Density	1.6 g/cm ³



Standrd Sizes	
Standard Thicknesses:	0.2mm, 0.4mm, 0.5mm, 0.8mm, 1mm, 1.5mm, 2mm, 3mm, 4mm, 5mm, 6mm, 10mm, 12mm, 16mm, 20mm, 25mm
Maximum Sheet Size:	1016mm x 1220mm

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