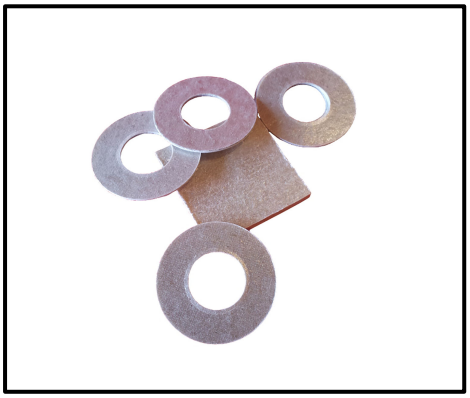
TECHNICAL DATA SHEET

QueenslandGaskets

SILICONE BONDED | MICA SHEET



Silicone Bonded Mica is a rigid, high temperature insulation material manufactured from Muscovite Mica laminations which are bound with a silicone resin. It possesses low thermal conductivity and performs at continuous temperature as high as 500 C°, and in short term intervals of 600 C°.

Exhibiting excellent dielectric and tensile strength, this high quality material also offers 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 shields, corona protection barriers, arc shields,stand-off & brake grid insulators, as well as thermal and electrical barriers.

TECHNICAL INFORMATION

Property:	Typical Value:
Colour	Silver/Grey
Construction	Muscovite/Silicone Binding Resin
Binding Resin Content	< 12%
Specific Gravity	2.1 at 20C°
Weigh loss After Initial Heating	< 2%
Maximum Temperature	500C° continuous
Maximum Temperature	600C° short duration
Compressive Strength	350 MPa at ambient temp
Compressive Strength	200 MPa at 350C°
Dielectric Strength	>20 kV/mm at ambient temp

APPLICATIONS

- Thermal and electrical insulation
- Corona protection barriers
- Arc and heat shields
- Stand off and brake grid insulators
- Flange insulation washers
- Components for high voltage machinery and switchgear

AVAILABILITY

Silicone Bonded Mica Sheet is available in thicknesses ranging from 0.2mm through to 25mm and in sheet size of 1200 x 1016mm. Custom shaped components can also be cut to suit your specifications.

Contact us to discuss requirements and place your order 07 3277 3922

All information and data quoted has been provided by our suppliers and is based upon years of experience in the production and operation of sealing elements. This data may not be used to support any warranty claims. With its publication this latest edition supersedes all previous issues and is subject to change without further notice.