

# Muscovite Mica

**Borun** CABLE  
MATERIAL

## Application:

Calcined Muscovite Mica Fiberglass Backed Tape consist of the heat resistant calcined muscovite mica paper bonded to an electrical grade glass cloth as the supporting, impregnated with a specially selected high temperature resistant silicon resin. It is wound up around the bare or insulated wire and it provides a protection barrier. The insulation must withstand at temperature up to 1000°C. For the excellent flame resisting characteristics, it has been widely used for power and control cables, instrumentation and signaling cables etc. Due to the very high flexibility and high tensile strength, this tape can be easily applied with high speed standard wrapping equipment.

## Calcined Muscovite Mica Fiberglass Backed Tape

## Technical Data Sheet:

Item	Unit	TYPE: BR-MT-M-GS				
		0.10mm	0.11mm	0.12mm	0.13mm	0.14mm
Appearance		No foreign material, No marks, No split, No scar & hole, No broken & folded, No patched place, Surface is smooth, Good Flexibility for taping Small Dia Wire				
Width	mm	4.5 ~ 1000				
Length	m	500m, 1000m, 2000m and Above 2000m in Spool packing				
Thickness	mm	0.10 ± 0.015	0.11 ± 0.015	0.12 ± 0.015	0.13 ± 0.015	0.14 ± 0.015
Weight of Tape	g/m <sup>2</sup>	129 ± 10	141 ± 10	153 ± 10	166 ± 10	179 ± 10
Weight of mica paper	g/m <sup>2</sup>	80 ± 5	90 ± 5	100 ± 5	110 ± 5	120 ± 5
Weight of Glass Cloth	g/m <sup>2</sup>	28 ± 2	28 ± 2	28 ± 2	28 ± 2	28 ± 2
Binder Content	g/m <sup>2</sup>	21 ± 3	23 ± 3	25 ± 3	28 ± 3	31 ± 3
Breakdown Voltage	KV/Layer	>1.5	>1.5	>1.6	>1.6	>1.6
Tensile Strength	N/cm	>80	>100	>120	>120	>120
Stiffness	N/m	<50	<50	<50	<60	<60
Thermal Conductivity	W/m°C	0.2 - 0.25	0.2 - 0.25	0.2 - 0.25	0.2 - 0.25	0.2 - 0.25
Fire Grade	°C	950°C ~ 1000 °C (IEC 331 / BS6387)				
Test Procedure		IEC371 - 2				

Other specifications can be designed according to your special request.

[www.boruncable.com](http://www.boruncable.com)

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