

Calcined Muscovite Mica Tapes for Fire-Resistant Wires and Cables

Composition: Calcined muscovite mica tape for fire-resistant wire and cable, consist of calcined mica paper bonded to an electrical grade glass cloth or PE film as the supporting fabric, impregnated with a specially selected high temperature resistant silicone elastomer.

Properties: Wire and cables wrapped with calcined muscovite mica tape maintain excellent insulating performance even exposed to high temperature of 950°C. Suitable for thermal and electrical insulation application of all types of fire-resistant cables. Due to its excellent flexibility, it is especially suitable for those with small conductors. Is compliant with GB/T19216—2003/IEC331/BS6387CWZ. Tests show that cables wrapped with two layers of this tape with thickness of 0.1mm maintain circuit integrity when exposed to temperature of 900°C and voltage of 1.0KV for 90 minutes.

Typical Properties – Glass Backed

Type	MPCM5460-G	
Normal Thickness (mm)	0.10±0.015	0.12±0.015
Total Substance (g/m ²)	126±10	136±10
Mica Content (g/m ²)	80±5	80±5
Glass Content (g/m ²)	24±2	34±2
Bond Content (g/m ²)	22±4	22±4
Dielectric Strength (kv/layer)	>1.5	>1.5
Tensile Strength (N/cm)	>60	>80
Stiffness (N/m)	<50	<60
Thermal Conductivity (W/m°C)	0.2-0.25	0.2-0.25

Test procedure: IEC371-3-8 1995 Edition

Availability:

Width: 3 – 1000mm

Length: 300 – 2000m

Standard cores: 76mm and 120mm



Typical Properties – Film Backed

Type	MPCM5460-F	
Normal Thickness (mm)	0.10±0.015	0.12±0.015
Total Substance (g/m ²)	127±10	169±10
Mica Content (g/m ²)	80±5	120±5
PE Content (g/m ²)	25±2	25±2
Bond Content (g/m ²)	22±4	24±4
Dielectric Strength (kv/layer)	>1.5	>1.7
Tensile Strength (N/cm)	>60	>60
Stiffness (N/m)	<50	<60
Thermal Conductivity (W/m°C)	0.2-0.25	0.2-0.25

Test procedure: IEC371-3-8 1995 Edition

Availability:

Width: 3 – 1000mm

Length: 300 – 2000m

Standard cores: 76mm and 120mm

Note: These technical data are average results of laboratory tests conducted under standard procedures and are subject to variations, and do not constitute a warranty or representation for which we assure legal responsibility.

Products are ISO9001:2000, ISO14001:2004, UL, CE, TUV, and SGS Certified