

MICA PAPER TAPES For Fire Resistant and Fire Survival Cables

Product

RD has developed special highly flexible mica paper tapes for the cable industry using the finest muscovite/ phlogophite mica paper with a backing of fibre glass cloth bonded with a silicone resin.

Application

Used as a key component of the electrical insulation system of control and signal cables for fire resistant and fire survival applications. During fire, these mica tapes convert to a fused insulating coating and acting as a flame and heat barrier while maintaining the flow of current and electricity across the circuit.

Technical Data

Properties	Values	Testing Method
Type of Mica	Muscovite	IEC 60371-2
Thickness	0.18 +/- 0.03 mm	IEC 60371-2
Substance	215 +/- 20 GSM	IEC 60371-2
Mica Paper	120 +/- 7 GSM	IEC 60371-2
Polyester Film	23 +/- 2 GSM	IEC 60371-2
Binder	72 +/- 10 GSM	IEC 60371-2
Tensile Strength	80 N/cm	IEC 60371-2
Stiffness	55 N/cm	IEC 60371-2
BDV	2 kV	IEC 60371-2

Finish

The tapes shall be tightly rolled onto virgin plastic bobbins and shall have smooth and neat edges.

Shelf Life

6 months from the date of manufacture stored at below 20 Deg C.

Packing

These mica tapes are supplied as per specific thickness, length, width and core requirements of our customers varying requirements. However the packing is done is moisture proof polythenes and packed in strong wooden cases to avoid any damage during transit or storage.

Note: The above mica tapes are available in various thicknesses and specific roll lengths depending on the taping requirement of our customers.

Disclaimer: The above is a typical product data sheet for reference purpose only and not intended for specification purpose

