TECHNICAL DATA SHEET

Phlogopite Mica Tape +ULTRA-FR

A step beyond Fire-Resistant Mica Cable tapes

Our **+ULTRA Fire-Resistant Mica Tape** is a three-layer, dry and highly flexible insulating tape designed to deliver **superior performance in conductors taping application** while fully complying with the **most demanding international fire-resistance standards.**

Manufactured with our in-house high-purity **phlogopite** mica paper, the tape is bonded with a modified silicone resin to an improved alkali-free glass cloth and a **special inorganic reinforcement layer.**

This advanced composition ensures **exceptionally smooth high-speed taping and insulation process**, combined with **outstanding fire-resistive and thermal endurance properties** - making it the ideal solution for high-reliability electrical insulation systems.

OUTSTANDING FEATURES:

- Improved composition **helps to reduce quantity of mica tape needed in the cable**
- Smooth inorganic layer ensure faster and more effective process of extrusion
- The tape offers an excellent balance between flexibility, mechanical strength and fire protection, supporting next-generation insulation designs.
- Excelent Flexibility/Adaptability during High-Speed taping process
- No risk of hairiness/delamination
- Outstanding electrical insulation properties in high demanding Fire proof testing conditions.

APPLICATIONS:

Phlogopite Mica Tape +ULTRA-FR is used as insulation of Fire-Resistant security cables, which are tested according to required standards. The tape is applied around the conductors with the mica side on copper and provide a protection barrier to ensure function of cables in case of fire.

STORAGE:

Min. 12 months under standard storage conditions in original packing (20°C)

Type	Unit	+ULTRA-FR-90P	+ULTRA-FR-120P
Thickness	mm	0.12 +/- 0,02	0.140 +/-0,02
Weight of Tape	g/m2	171 +/- 15	206 +/- 20
Mica content	g/m2	90 +/- 3	120 +/- 4
Breakdown Voltage	KV/Layer	≥ 3	≥ 3,2
Tensile Strength	N/10mm	≥ 100	≥ 100
Fire Grades	°C	Up to 1000 °C	

OR64 Calle A, 6-8, Poligono Industrial Can Bas, 08739 Lavern (Subirats)
Contact us at: or64@or64.com

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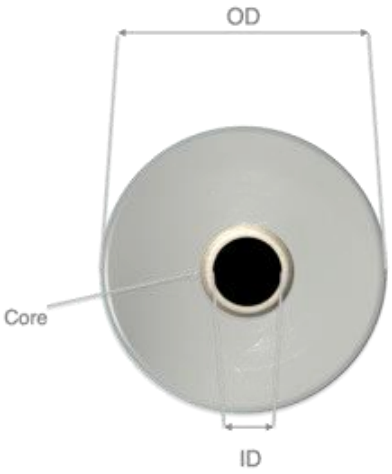
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AVAILABILITY:

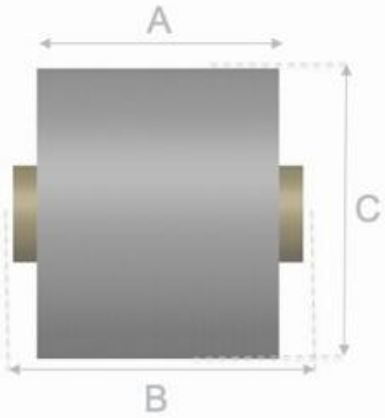
Pads/Rolls

Tape Width:	from 6mm up to 1000mm
Standard Cores ID:	76mm; 120mm (other dimensions on request)
Standard Pad OD:	300-400mm (other dimensions on request)
Core:	Plastic or carton



Traverse Wounded Spool (TWS) or Step to Step Spool (STS)

Tape Width:	from 5mm
Standard Cores ID:	76mm
Standard Spool OD	C = up to 300mm
Standard Spool Width	A = up to 300mm
Core:	Plastic or carton



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