

1 - CONSTRUCTION

- 100% POLYESTER fibres.
- Fibres assembled by thermowelding without binder.
- Coated with a class F resin charged with conductive products, which gives the tape a superficial determined and regular resistance.
- The FR references are made of with reinforcement yarns lengthway to have a good breaking resistance.



2 - CHARACTERISTICS

SPECIFICATION	UNIT	TST 6	TST2 FR8		
- Width	mm	20 - 25	20 - 25		
- Tolerance on Width	mm	± 1.0	± 1.0		
- Thickness	mm	0,08	0.13		
- Tolerance on Thickness	mm	+ 0,02 - 0,01	± 0.02		
- Weight/m ² - Coated Tape	g/m ²	70 ± 10	90 ± 10		
- Weight/m ² - Unbleached Tape	g/m ²	60 ± 10	80 ± 10		
- Breaking Resistance	N/cm	> 50	> 80		

SUPERFICIAL ELECTRIC RESISTANCE						
SPECIFICATION	UNIT	500	750	1500	2500	3500
Tolerance	Ohm/cm ²	400 to 600	600 to 850	750 to 1500	1500 to 2500	2500 to 3500

3 - APPLICATIONS

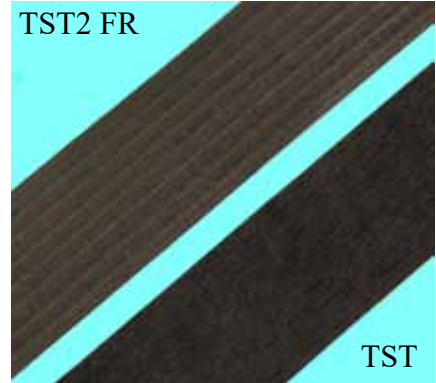
- CABLES:
This tape is used on the conductor in order to by-pass vacuums.
- ROTATING MACHINES.
For rotating machines of medium voltages from 1 to 16KV, it is recommended to use conductive products (paint, tape, etc..).
This tape is particularly suitable for both under vacuum and pressure impregnation systems. Partial (bobbin or bars only). Global (bobbin sets and magnetic circuits). The tape is used on straight parts of bars or sections and is compressed simultaneously with the mica insulation. It brings their surface at the same electrical level (equipotential surface) in order to absorb the electricity created by the electrical field of the rotor, which avoids sparks (brush discharges). This tape allows to improve the measure of the dispersal factor (delta tangent).
- USE OF PAINTS AND THEIR DISADVANTAGES.
The applied thickness is irregular.
Risks for hygiene and security. They settle in the pots.
Varying concentration during its application.



We recommend to protect them from heat, humidity and at an ambient temperature.

4 - ADVANTAGES

- Good resistance to water, little coming off on wet hands.
- Good mechanical resistance but more less that with our woven edged tape Ref "TS" .
- Good resistance to EPOXY and POLYESTER styrene resines.
- Good resistance to ageing in heat conditions.
- Good delta tangent after impregnation and ageing even.

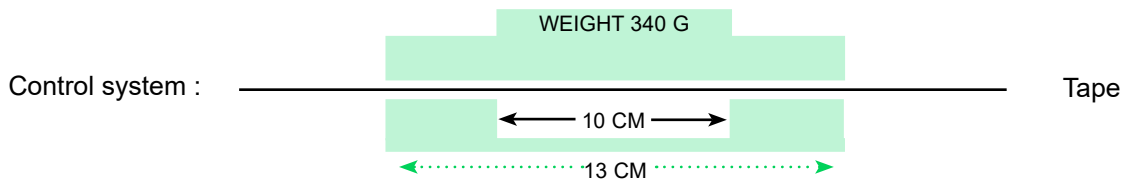


5 - CONTROL

- SHRINKAGE WARP DIRECTION :
1 hour at 120°C. Tests are made at the beginning of each production.
Specifications : Average rate 3% with a tolerance of + 1% and - 2%.
- THICKNESS :
Measured with a micrometer touch of diameter 14 mm and under a pressure of 49 millibars.
- MEASURE of SUPERFICIAL ELECTRICAL RESISTANCE :
The tape is put on 2 copper bars of a section of 15 x 15 mm and placed at a distance of 10 cm.
These 2 bars are put on 2 non conductive plates.
Then a non conductive plate of a total weight of 340 g is put on top of the tape.

NOTA : The superficial electrical resistance is measured on the tape before taping.

$$\text{Resistance : } \frac{\text{Resistance in ohm read on the Ohmmeter} \times \text{Width of the tape in cm}}{\text{Distance in cm between the copper bars}}$$



6 - PRESENTATION

- Conditioning :
- According to the customers' request on cardboard or plastic core inside diameter 25 - 40 - 55 mm.
- Length per roll : 50 M - 75 M or 100 M.
- Colour : black
- Other conditioning : please question us.



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