

## Vidmicapor Polyester Mica Tape VPI

### VPI MICA TAPES upto 11KV working

#### Features

- Dry and flexible
- Track Free
- Low Volatile Content
- Void Free Insulation
- Tank Stability

#### Description

Vidmicapor pf + a is made from Uncalcined Muscovite Mica Paper Impregnated with low content of (Bisphenol A) Epoxy Resin containing metallic salt (zinc naphthanate) accelerator, Laminated on one side of the polyester film. Addition of Accelerator make it suitable for Epoxy Anhydride System. Vidmicapor pf (a) does not contain any accelerator. It is suitable for use upto 155 Degree C for class F Insulation. The mechanical and Electrical properties of the finished insulation coil depends primarily upon the quality of the impregnating resin used during the VIP process. The micais faced outside of the roll and there is no interleave.

#### Application

Vidmicapor Glass mica series is best suited for insulation of coils and bars of low and high voltage electrical rotating machines, processed by the Vacuum Pressure Impregnation (VPI) method, operating upto 11 KV Voltage. It can also be used in dry type transformer for interlayer inulation.

#### Processing

Vidmicapor should be applied smoothly and wrinkle free at uniform low tension of 25-30 N/cm by hand or machine taping.

NOTE: If the tension is high, mica barrier may get damaged.

## Properties

Physical Properties	Unit	4.163	5.207	5.209	5.214	5.207 (a)	5.214 (a)
Ave Thickness	mm	0.10+/-0.01	0.13+/-0.015	0.12+/-0.015	0.14+/-0.015	0.13+/-0.015	0.14+/-0.015
Individual Thickness	mm						
Bdv	Kv	≥3	≥4	≥4	≥4	≥4	≥4
Tensile Strength	N/cm	≥30	≥40	≥34	>40	≥40	>40
Porosity	s/100ml			----			
Flexibility	N/m			----			
Composition							
Weight	g/sqm	163+/-14	207+/-18	209+/-15	214+/-18	207+/-18	214+/-18
Mica Paper	g/sqm	120+/-8	160+/-13	160+/-10	160+/-13	160+/-13	160+/-13
Polyster Film	g/sqm	35+/-3	35+/-3	32+/-2	42+/-3	35+/-3	42+/-3
Resin	g/sqm	10+/-3	12+/-3	15+/-3	12+/-3	12+/-3	12+/-3
Accelerator	mg/sq	----	-----	----	-----	450+/-120	450+/-120
Volatile Content	g/sqm	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Thermal Class	°C	155 (F)	155 (F)	155 (F)	155 (F)	155 (F)	155 (F)

## Availability

Width 10mm upward  
Max 1000mm  
Length 50 mtrs  
Core 25mm and 40mm

NOTE: The rolls are sealed in polythene bags & packed in polystyrene boxes.

## Storage

Vidmicapor Glass mica series should be stored in dust free area.  
At Degree - 12°C  
Duration - 4 Months

## Disclaimer

All information, recommendations and test data herein are offered only as a guide. We believe them to be accurate but do not guarantee results, freedom from patent infringement, suitability of this product for any resultant application

## Health And Safety

All hygiene and safety standard should be followed during handling and application.