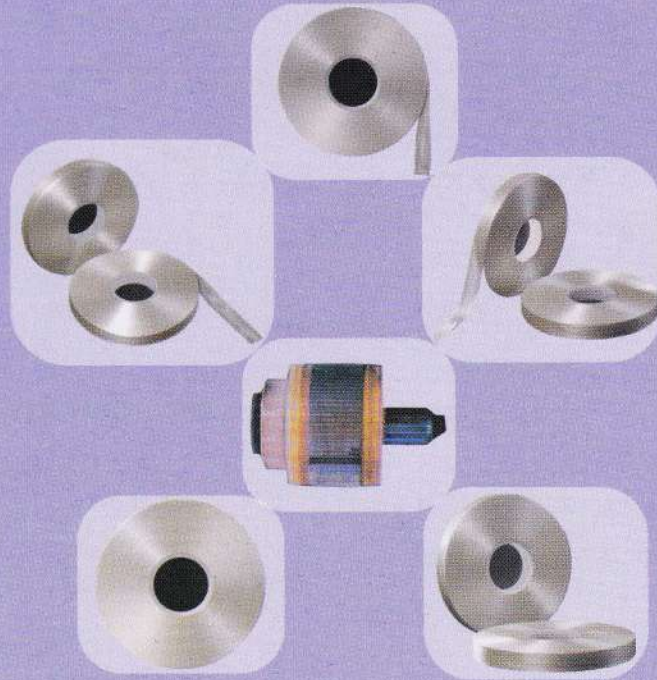


Certified ISO 9001 by



**VARDHMAN INDUSTRIES**

**AN ISO 9001 : 2000 COMPANY**



**Vardhman Industries, Ahmedabad**

is manufacturing varieties of  
*various electrical insulation products viz.*

*Polyglass Tape, Fiberglass,*

*Varnish / Unvarnish Sleeves,*

*PTFE Coated f.g. Yarn & Fiberglass Cable at  
Narol, Ahmedabad - under sound and veteran*

*leadership of Shri Harshadbhai Shah.*

We are operating our plant activities  
in a environment friendly way.

We are supplying our products to  
domestic market through our own established  
marketing channel.

Our entire product range consist of  
high grade quality standards with consistent supply.

We are particular focusing in  
*Resiglass (Polyglass) Tape.*

Our future vision is to take *RDSO Approval from  
Indian Railywas.*

We are committed to give satisfaction to  
our entire customer families.

As ISO 9001 : 2001 company we followed a international standards  
and have try satisfy our customers.



# VARDHMAN POLYGLASS TAPE

## (ARAMATURE BINDING TAPE)

### 1. DIMENSION AND TOLERANCE

Characteristics	Unit	Value
Thickness	MM	0.30 ± 0.05 mm
Tolerance on Tape Width	MM	Up to 25mm ± 1.5 mm Above 25 mm ± 2.0 mm
Normal Length of Roll	Mtr	100 (+5,-0)

### 2. Characteristics of Polyglass Tape - as supplied

Characteristics	Unit	Value
Resin Content	%	27 ± 2
Yarn width	Nos	30 ± 1
Sealing (solder) Test	—	When hot pressed with solder iron at 160+2 degree, the resin of tape should flow and stick other layers within 1 minute
Identification of Resin	—	High Quality Polyester
Koeffler's Softening Point of Resin	°C	200 (max)
Tensile Strength	N/cm	2500 min
Maximum Pull During Banding	N/c (of width)	1000
Recommended curing Cycle at 150°C	Hours	5
Shelf Life (kept in 15°C)	Month	12
Weight Loss (after keeping 200°C for 400 hrs)	%	10 max

### 3. Characteristics of Polyglass Tape - after application & curing

Characteristics	Unit	Value
Max Temperature withstand	°C	200
Cured Tape Thickness (approx)	mm	0.25
Breaking load (after curing)	N/mm(min)	260
Resistance to Humidity	—	No sign of crack damages
Resistance to Saline Water	—	No sign of crack damages
Elongation at Break		
At 20°C	%	1.6 (max)
At 200°C	%	2.0 (max)
Arc Resistance	Second	≥120

## VARDHMAN INDUSTRIES

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E-mail : [response@vardhmanresiglass.com](mailto:response@vardhmanresiglass.com)



## ***Vardhman Polyglass Tape***

is made of an unidirectional layer of cabled glass yarn impregnated Under tension with a modified thermo setting resin for class 'H' insulation.



**Vardhman Polyglass Tape** can successfully replace steel band with the following advantages :

1. Under layer insulation is not required.
2. Increased resistance to humidity and corrosion.
3. Electrical losses and flash over hazards are reduced.
4. Band is bonded to the winding improving stability.

## ***Vardhman Polyglass Tape***

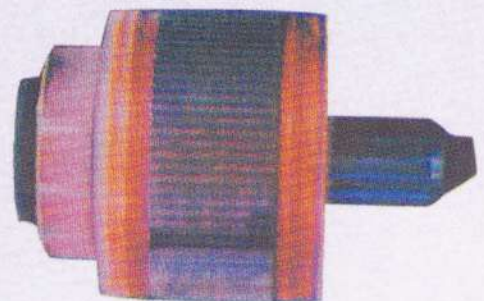
is supplied in 'B' tape semi-cured Resin System.

The free flow characteristic of the resin avoids air space in the band there by Improves heat dissipation factor and greatly adds its stability under all operating conditions.



## ***Vardhman Polyglass Tape***

is designed for use as banding restrain on Traction Armatures, large generators, And other rotating electrical machines.



## ***Vardhman Polyglass Tape***

Can also be used for the banding of Transformer Cores and Transformer Tie-loops.

Size Available : 8 mm, 10 mm, 20 mm, 25 mm, 40 mm, 50 mm  
Length : 50 meter, 100 meter, 200 meter