



## POLYESTER GLASS SILK TAPE

Polyester Glass Silk Tape is a thermo-shrinkable tape.

During impregnation the resin penetrates through the layer of Polyester Glass Silk Tape into the main insulation. During curing process Polyester Glass Silk Tape shrink under temperature and prevent a drain out of resin and give some pressure to main insulation.

Polyester Glass Silk Tape used as a final layer above porous tapes in the production of VPI insulation winding.

### Application :

Used in Core Layer and final Insulation of Coils and oil-filled transformers.

Sr. No.	Description	Units	Observed Values
1	Thickness	mm	0.09 ± 0.1
2	Total Substance	g/m <sup>2</sup>	86 ± 9
3	Glass Polyester fabric	g/m <sup>2</sup>	25 ± 3
4	PET film	g/m <sup>2</sup>	27 ± 2
5	Resin content	g/m <sup>2</sup>	34 ± 4
6	Tensile strength	N/10mm	> 60
7	Elongation at break	%	> 20
8	Edge Tearing	N	> 180
9	Breakdown Voltage	Kv	> 3
10	Thermal shrinking after 2 hour	%	< 1 (at 75° C) > 8 (at 120° C) > 14 (at 150° C)
11	Film fabric Separation (After VPI impregnation)	-	No Separation
12	Color leaching test	-	No leaching after VPI resin