



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.	Size, Term	Unit	Values	Test Method
1	Thickness	mm	0.09 ± 0.01	IEC 60626-2 CI NO. 2
2	Total substance	g/m ²	86 ± 9	IEC 60626-2 CI NO. 5
3	Glass polyester fabric	g/m ²	25 ± 3	IEC 60626-2 CI no. 5 * Dissolve resin in acetone
4	PET film	g/m ²	27 ± 2	IEC 60626-2 CI no. 5 * Dissolve resin in acetone
5	Resin content	g/m ²	34 ± 4	IEC 60626-2 CI no. 5 * Dissolve resin in acetone
6	Tensile strength	N/10 mm	≥ 60	IEC 60626-2 Clause NO. 4
7	Elongation	%	≥ 20	IEC 60626-2 Clause NO. 4
8	Edge Tearing	N	≥ 180	IEC 60626-2 CI NO. 6
9	Breakdown Voltage	kV	≥ 3	IEC 60626-2 CI NO. 9
10	Thermal shrinkage after 2h at 75° /120° C/ 150° C	%	≤ 1/ ≥ 8/≥ 14	IS 5351 APPENDIX A7
11	Colour	visual	Ferric Oxide (Brown)	visual
12	Width	mm	20 ± 1	vernier caliper
13	Winding		Fabric up	visual
14	Colour Leaching Test		No colour of the PGC tape should leach into the VPI resin	