

Oil-Filled Transformers: Adhesive Tape Product Range

With more than 20 years experience in electrical insulation tapes products, Von Roll is offering the full range of adhesive tapes which are essential for oil-filled transformer manufacturing. The following products are suitable for all applications in the construction of windings.



Heavy duty holding



Anchoring



Banding

Dedicated products for oil-filled transformers

51350PV3

4238PV3

PG 22

52402PV3






51600 PV3



Protection wrapping

Product range

Specifications		51350 PV3	4238 PV3	PG 22	52402 PV3	51600 PV3
Thickness	mm	0.060	0.180	0.178	0.260	0.180
Breaking strength	N/10mm	44	550	45.6	150	125
Elongation	%	100	14	10	18	10
Adhesion to steel	N/10mm	5.00	5.50	3.20	5.70	4.72
Dielectric breakdown	V	5000	6500	2000	5000	2000
Temperature class	°C	130	155	120	155	155
UL file		E315249	E315249			

	Product	Feature	Advantage	Benefit
	51350 PV3	Polyester film / thermosetting acrylic	Thin	Fix the diamond paper without over thickness
			Polyester film	Secure dielectric breakdown properties
			Good conformability	Tight and efficient fixing
			Basic insulation material	Cheap solution
	4238 PV3	Polyester film reinforced glass filament / thermosetting acrylic	High mechanical strength	Best product able to be used for various holding functions
			Low stretch	Safe anchoring and banding and permanent fixing
			High dielectric	Secure the dielectric properties of high-voltage coils
	PG 22	Paper / acrylic	Premium paper backing	Relevant when used for soldered connection of paper covered wires
			Adhesion performance on paper and cardboard	Suitable for fixing diamond paper or thicker cardboard
	52402 PV3	Paper backing reinforced glass filament / thermosetting acrylic	Paper backing especially designed for oil transformers	Improve the oil saturation avoiding air entrapment and partial (corona) discharge
			Medium mechanical resistance	Enough to fix core and inter-layer insulation papers
	51600 PV3	Cloth polyester / thermosetting acrylic	Conformable and adhesive tissue	Easy wrapping around the coil and cancel node mandatory with non adhesive tape
			Tear resistance and shrinking properties	Contribute to reduce noise and vibration