



## Static - shielding in transformers with PPI 1091 and PPI 10912 Fringed

PPI 1091 and PPI 10912 are specially formulated shielding tapes comprising a laminate of polyester – copper – polyester. The polyester is available in thicknesses of both 0,025 mm = 1 Mil and 0,050 mm = 2 Mil so that the dielectric strength required can be achieved.

PPI 1091 shields the entire inner width of the transformer spool whereas PPI 10912 offers even greater security because of its fringing on both edges which ensures complete insulation of the spool ends.

PPI 1091 and PPI 10912 are applied directly between the primary and secondary windings and the lead can be point soldered to the copper foil through the polyester film. The solder point should then be covered with a PPI self-adhesive insulating tape.

### Technical Data:

Polyester film	0,025 mm	1,0 Mil	0,025 mm	1,0 Mil	0,025 mm	1,0 Mil
Copper foil	0,035 mm	1,4 Mil	0,050 mm	2,0 Mil	0,100 mm	4,0 Mil
Polyester film	0,025 mm	1,0 Mil	0,025 mm	1,0 Mil	0,025 mm	1,0 Mil
Total thickness	0,110 mm	4,3 Mil	0,130 mm	5,1 Mil	0,180 mm	7,0 Mil
Dielectric strength	5,0 KV	5000 V	5,0 KV	5000 V	5,0 KV	5000 V

### Technical Data:

Polyester film	0,050 mm	2,0 Mil	0,050 mm	2,0 Mil	0,050 mm	2,0 Mil
Copper foil	0,035 mm	1,4 Mil	0,050 mm	2,0 Mil	0,100 mm	4,0 Mil
Polyester film	0,050 mm	2,0 Mil	0,050 mm	2,0 Mil	0,050 mm	2,0 Mil
Total thickness	0,160 mm	6,3 Mil	0,180 mm	7,0 Mil	0,230 mm	9,0 Mil
Dielectric strength	8,0 KV	8000 V	8,0 KV	8000 V	8,0 KV	8000 V

**Standard copper thickness up to 0,500 mm (20 Mil).**

**Other copper thicknesses may be supplied subject to availability and minimum order requirements.**

### Standard table for DIN transformers

DIN-transformer	Inner width	Safety allowance	Cu-width	1091 Overall width	10912 fringed Overall width	Fringe depth	Fringe spacing
M 30	17,4 mm	0,6 mm	15 mm	18 mm	21 mm	2x1,5 mm	1 mm
M 42	26,3 mm	0,7 mm	24 mm	27 mm	30 mm	2x1,5 mm	1 mm
M 55	33,4 mm	0,6 mm	31 mm	34 mm	38 mm	2x2,0 mm	1 mm
M 65	38,8 mm	0,7 mm	36,5 mm	39 mm	43,5 mm	2x2,0 mm	1,5 mm
M 74	44,6 mm	0,4 mm	42 mm	45 mm	49 mm	2x2,0 mm	1,5 mm
M 85	48,6 mm	0,4 mm	46 mm	49 mm	53 mm	2x2,0 mm	1,5 mm
M 102	60,5 mm	0,5 mm	58 mm	61 mm	65 mm	2x2,0 mm	1,5 mm
EI 30	12,5 mm	0,5 mm	10 mm	13 mm	16 mm	2x1,5 mm	1 mm
EI 38	17,1 mm	0,4 mm	15 mm	17,5 mm	20,5 mm	2x1,5 mm	1 mm
EI 42	18,8 mm	0,7 mm	16,5 mm	19,5 mm	22,5 mm	2x1,5 mm	1 mm
EI 48	21,9 mm	0,6 mm	19,5 mm	22,5 mm	25,5 mm	2x1,5 mm	1 mm
EI 54	24,5 mm	0,5 mm	22 mm	25 mm	28 mm	2x1,5 mm	1 mm
EI 60	27 mm	0,6 mm	25 mm	27,5 mm	30 mm	2x1,2 mm	1 mm
EI 66	29 mm	0,5 mm	26,5 mm	29,5 mm	32,5 mm	2x1,5 mm	1 mm
EI 78	34,6 mm	0,4 mm	32 mm	35 mm	39 mm	2x2,0 mm	1,5 mm
EI 84	37,7 mm	0,8 mm	35,5 mm	38,5 mm	42,5 mm	2x2,0 mm	1,5 mm
EI 96	44 mm	0,5 mm	42 mm	44,5 mm	48,5 mm	2x2,0 mm	1,5 mm

### Delivery Specification:

PPI – 1091	all widths from 6 mm = 1/4 inch
PPI – 10912 fringed	all widths from 12 mm = 1/2 inch
Roll length	up to 100 metres = 110 yds