

Specialized Electrical Tapes

Metal Backing Adhesive Tapes

Type	Adhesive	Total thickness (mm)	Backing	Note	Usage
1170	Acrylic conductive	0.08	aluminum		EMI shielding, charge draining, grounding, suitable for cuts.
1181	Acrylic conductive	0.07	copper		EMI shielding, charge draining, grounding, suitable for cuts.
1182	Acrylic conductive	0.09	copper	double sided	EMI shielding, charge draining, grounding, suitable for cuts, solderable.
1183	Acrylic conductive	0.07		improved soldering feature	EMI shielding, charge draining, grounding, suitable for cuts, solderable, outstanding corrosion resistance.
1194	Acrylic conductive	0.08	copper		EMI shielding, for charge draining has to be connected, suitable for cuts.
1245	Acrylic non-conductive, conducts through adhesive	0.10	embossed copper		EMI shielding, charge draining, grounding, suitable for cuts, solderable, well shapeable.
1267	Acrylic non-conductive, conducts through adhesive	0.13	embossed aluminum		EMI shielding, charge draining, grounding, suitable for cuts.
1345	Acrylic non-conductive, conducts through adhesive	0.10	tin-plated embossed copper	improved soldering feature	EMI shielding, charge draining, grounding, suitable for cuts, solderable, outstanding corrosion resistance.
1190	Acrylic conductive	0.13	copper-plated polyester fabric	extraordinarily light weight and flexible, with high strength	EMI shielding and grounding.

Antistatic Tapes

Type	Backing	Color	Adhesive	Static charge (V)		Total thickness (mm)	Adhesion to steel (N/10mm)	Tensile strength (N/10mm)	Note	Usage
40	Polyester	Clear transparent	Acrylic	from roll 20/5	from stainless steel 50/5	0.05	1.7	34	Keeps antistatic features also in dry environment; can be print-free or ESD can be printed on it.	In production - to close shielding coatings, for sealing, bundling and fixing, or anywhere where static charge is unwanted.
42	Polyimid	Amber	Acrylic	20/5	50/5	0.06	-	48	Usable in temperature range from 5°C to 260°C, electric strength 7000V, unique color.	Masking tape for sensitive electrical circuits when soldering.

Polyester Tapes

Type	Backing	Color	Adhesive	Temperature class °C	Electrical strength	Total thickness / carrier layer thickness (mm)	Usage
5	Polyester	Clear	Oil and solvent resistant acrylic	130	5000	0.06/0.025	External protection of capacitors, coils, interlayer insulation.
54	Polyester	Clear	Thermosetting rubber	130	5500	0.06/0.025	For small coils with color-coded conductors.
56	Polyester	Yellow	Thermosetting rubber	130	5500	0.06/0.025	Insulation and external layer for coiling.

57	Polyester Yellow	Thermosetting rubber	130	7000	0.08/ 0.05	External protective layer for coiling, insulation layer and coiling of capacitors where high electrical strength is needed.
58	Polyester Clear	Thermosetting rubber	130	7000	0.08/ 0.05	External protective layer for coiling, insulation layer and coiling of capacitors where high electrical strength are needed.
74	Polyester Yellow	Thermosetting rubber	130	3500	0.02/ 0.012	Well conformable, for capacitors and coils, where good electrical strength and low thickness is needed.
75	Polyester Yellow	Double sided thermosetting rubber	130	6500	0.10/ 0.025	For fixing and insulation at the same time.

Type	Backing	Color	Adhesive	Temperature class °C	Electrical strength	Total thickness / carrier layer thickness (mm)	Usage
1298	Polyester	White	Acrylic	130	5500	0.06/ 0.025	Adheres well to all insulation systems.
1318 1 mil	Polyester	Yellow (also black, red, green, white, milky, clear and blue)	Acrylic	130	5500	0.063/ 0.025	Wrapping coils, transformers, capacitors, bundling, for motor poles and less than kW motors.
1318 2 mil	Polyester	Yellow (also black, red, green, white, milky, clear and blue)	Acrylic	130	7000	0.083/ 0.05	Wrapping coils, transformers, capacitors, bundling, for motor poles and less than kW motors.
1350 1 mil	Polyester	Yellow or white (also black, green, blue and red)	Acrylic	130	5500	0.063/ 0.025	Wrapping coils, transformers, capacitors, bundling, for motor poles and less than kW motors.
1350 2 mil	Polyester	Yellow or white (also black, green, blue and red)	Acrylic	130	7000	0.083/ 0.05	Wrapping coils, transformers, capacitor motors, bundling, for motor poles and less than kW motors.

Type	Backing	Color	Adhesive	Temperature class °C	Electrical strength	Total thickness / carrier layer thickness (mm)	Usage
1350T1	3-layered polyester	Yellow	Acrylic	130	6500 Combination of any two layers in compliance with UL 1950, no. 5.1: 3.5 kV	0.08	As reinforced insulation for IT devices in compliance with UL 1950. Suitable for coiling automats.
46	(Glass fiber) reinforced polyester	White	Thermosetting rubber	130	5000	0.18	Fixing of coiling and for places where high puncture resistance and small elongation are necessary.
1312	(Polyester fiber) reinforced polyester	Trans-parent	Non-thermosetting rubber	130	5500	0.19	For coils and small transformers to fix outlets and outlet elements, even those with sharp edges.
1339	(Glass fiber) reinforced polyester	White	Acrylic	130	6500	0.165	For fixing outlets, clamping coils and other purposes, where high tensile strength is needed.

Glass Cloth Tapes

Type	Backing	Color	Adhesive	Temperature class °C	Electrical strength	Total thickness / carrier thickness (mm)	Usage
27	Glass cloth	White	Thermosetting rubber	130	3000	0.18	For wrapping coils, fixing outlets, insulation.
69	Glass cloth	White	Thermosetting rubber	200	3500	0.18	For performance sources, fixing insulations, for high temperatures, renewing insulation, enhancing temperature resistance.

79	Glass cloth	White	Acrylic	155	3000	0.18	Fixing, mechanical protection, insulation.
90	Glass cloth	White	Thermosetting rubber	155	3000	0.18	For fixing and external protection of transformers, motors and coils. Top layer on coils.

Acetate Cloth Tapes

Type	Backing	Color	Adhesive	Temperature class °C	Electrical strength	Total thickness / carrier thickness (mm)	Usage
28	Acetate cloth	White	Thermosetting rubber	150	3800	0.20/ 0.15	Top layer on coils.
1554	Acetate cloth	White	Acrylic	150	3900	0.21	For deflecting coils.
11	Acetate cloth	Black	Thermosetting rubber	105	3500	0.20	Top layer on coils.

Epoxy Tapes

Type	Backing	Color	Adhesive	Temperature class °C	Electrical strength	Total thickness / carrier thickness (mm)	Usage
1	Epoxy film	White	Acrylic	130	5000	0.09/ 0.055	For capacitors, relays, coils, transformers.
Super 10	Epoxy film	Beige	Thermosetting rubber	155	8000	0.13/ 0.036	For relays, coils, transformers, motors and small motors, for bundling conductors.
Super 20	Epoxy film	White	Acrylic	155	800	0.13/ 0.036	For relays, coils, transformers, motors.

Polyimide Tapes (Kapton)

Type	Backing	Color	Adhesive	Temperature class °C	Electrical strength	Total thickness / carrier thickness (mm)	Usage
92	Polyimide	Amber clear	Silicone	180	7500	0.08/ 0.025	For coils, condensers, transformers, bundling conductors; a masking tape for wool soldering.
1205	Polyimide	Amber clear	Acrylic	1155	7500	0.08/ 0.025	For coils, condensers, transformers, bundling conductors; a protective layer for various types of flexible printed circuits.

PTFE Tapes

Type	Backing	Color	Adhesive	Temperature class °C	Electrical strength	Total thickness / carrier thickness (mm)	Usage
60	PTFE	Transparent brown	Thermosetting silicone	180	9500	0.10/ 0.05	For coils, condensers and bundling conductors in high temperatures.
61	PTFE	Transparent brown	Thermosetting silicone	180	15000	0.16/ 0.12	For coils, condensers and bundling conductors in high temperatures and where high mechanical and electrical strength are needed.
62	PTFE	Transparent brown supplied on liner	Thermosetting silicone	180	9500	0.09/ 0.05	Like Scotch 60, better adhesion to varnish and resin.
63	PTFE	Transparent brown	Acrylic	155	9500	0.09/ 0.05	For applications where chemical resistance is more important than heat resistance.

Paper Tapes

Type	Backing	Color	Adhesive	Temperature class °C	Electrical strength	Total thickness / carrier thickness (mm)	Usage
12	Flatback paper	Natural	Thermosetting rubber	105	3000	0.13/ 0.09	For coils.
16	Crepe paper	Natural	Thermosetting rubber	105	3000	0.22/ 0.18	For top layer on coils and for motor winding fronts.
1276	(Glass fiber) reinforced paper	White	Acrylic	105	400	0.22	For fixing in oil transformers.

Downloadable catalogue:  [elektropasky-pro-vyrobu.pdf](#) (700 KB)