


# Electrical Adhesive Tapes Thermal Class B (130° C)


## Polyester Adhesive Tapes

(No stock item)



- Properties:** Standard product for many general applications. Adhesive is elastic, and relatively and has Very good adhesive strength also on thin wires, good resistance against resins and varnishes.
- Dielectric strength:** 5000 V<sub>eff</sub>
- Applications:** Interwinding or ground insulation, final binding of coils.




Main number	Base material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK10966 	Polyester	yellow, brown, transparent, blue	0.023	0.060	acrylic


 UL 510 listed


- Properties:** Relatively hard adhesive, withstands even high shearing stress after curing and resins and varnishes. Tape is suitable for protecting of exterior winding layer.
- Dielectric strength:** 5000 V<sub>eff</sub>
- Applications:** End binding for coils, interwinding or ground insulation, transformers

Main number	Base material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK10140 	Polyester	yellow, transparent yellow	0.023	0.055	acrylic
EK10145 	Polyester	yellow, transparent yellow	0.050	0.080	acrylic

 UL 510 listed

- Properties:** Stable, tear-resistant polyester tape. Good adhesion on enamelled wires,, also for small coils, excellently compatible with all usual commercial impregnatingresins
- Dielectric strength:** 10000 V<sub>eff</sub>
- Applications:** Coil bindings for electric motors, phase and end winding insulation covering coil end edges, identification and insulation in one step

Main number	Base material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK10160 	Polyester	yellow, transparent	0.023	0.055	acrylic
EK10165	Polyester	yellow, transparent	0.053	0.085	acrylic

 UL 510 listed

- Item number:** Example: EK10966/006.0  
 EK109660 = main number  
 /006.0 = width in mm

**Polyester Adhesive Tapes***(No stock item)*

**Properties:** Very strong polyester tape with high initial adhesive strength. Thicker insulating film causes improved dielectric strength

**Dielectric strength:** 7500 V<sub>eff</sub>

**Applications:** Traction relief and interlayer insulation




Main number	Base material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK10240	Polyester	yellow / transparent	0.036	0.07	acrylic

**Properties:** Soft adhesive, excellent adhesion on thin wires, good compatibility with impregnating agents

**Dielectric strength:** 5000 V<sub>eff</sub>

**Applications:** Core and interlayer insulation, coil insulation  
Automatic processing facilitated by smooth withdrawal from roll.

Main number	Base material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK10260 	Polyester	beige	0.023	0.065	rubber

 UL 510 listed

**Polyester Adhesive Tape, fringed***(No stock item)*

**Properties:** Offers greater security because of its fringing on both edges which ensures complete insulation of the spools ends

**Dielectric strength:** 5000 V<sub>eff</sub>

**Applications:** Core and interlayer insulation, automatic processing

Main number	Base material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK10262	Polyester	white	0.023	0.05	acrylic

**Item number:** Example: EK10240/006.0  
EK10240 = main number  
/006.0 = width in mm

**Polyester Shrinking Adhesive Tape**

(No stock item)

**Properties:** Shrinkage by thermal effect, good resistance to solvents; adhesive side can be printed on

**Dielectric strength:** 6000V<sub>eff</sub>

**Applications:** Very high flexible insulation e.g. for windings in electric machinery and equipment



Main number	Base material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK11766	Polyester shrinkable foil	colourless	0.030	0.055	acrylic

UL 10 listed

**Laminate Polyester / Polyester Fleece Adhesive Tape**

(No stock item)

**Properties:** Polyester fleece has good cushioning effect, improved tear strength

**Dielectric strength:** 5000V<sub>eff</sub>

**Applications:** Phase insulation, end bindings

Main number	Base material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK16100	Laminate polyester/ polyester fleece	white	0.060	0.130	rubber

UL 510 listed, flame retardant

**Laminate Polyester / Polyester Fleece Adhesive Tape**

(No stock item)

**Properties:** Like EK16100. but thicker, with improved mechanical stability and increased dielectric strength, acrylic adhesive. Tape also is available in widths from 1 to 3 mm to provide air and leakage distances in coils.

**Dielectric strength:** 6000V<sub>eff</sub>

**Applications:** Insulating solder points, end bindings in coils

Main number	Base Material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK16101	Laminate Polyester/ Polyester fleece	white	0.150	0.230	acrylic

**Item number:** Example EK11766/006.0  
EK11766 = main number  
/006.0 = width in mm

**Laminate Polyester / Glass Cloth Adhesive Tape**


(No stock item)

**Properties:** Extremely tear - resistant tape with good cushioning properties, flexible, withstands short periods of high temperature thanks to the glass cloth; good initial adhesive strength also on uneven surfaces.

**Dielectric strength:** 6000 V<sub>eff</sub>

**Applications:** Tear- and impact-resistant bindings for motors and transformers, mechanical protection at wire edges and uneven points.



Main number	Base material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK17719 	Laminate polyester / glass cloth	transparent	0.140	0.240	acrylic

 UL 510 listed



**Laminate Polyester / Crêpe paper Adhesive Tape**


(No stock item)

**Properties:** High dielectric strength due to the polyester foil, extremely tear and impact-resistant, good absorption of impregnating agents, high adhesive strength.

**Dielectric strength:** 6000 V<sub>eff</sub>

**Applications:** Motor and transformer industry, covering soldering and welding points, endwinding band.

Main number	Base material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK18100 	Laminate polyester / impregnated crêpe paper	chamois	0.200	0.265	rubber
EK18102 					acrylic

 UL510 listed

**Nomex® / Glass Cloth Laminate Adhesive Tape**

(No stock item)

**Properties:** Extremely robust laminate made from saturable Nomex® with fibreglass reinforcement. Extremely high power reserve even in the event of fault.

**Dielectric strength:** 2000 V<sub>eff</sub>

**Applications:** motor and transformer industry

Main number	Base Material	Colour	Area weight [g/m <sup>2</sup> ]		Adhesive
			substrate	total	
EK19708	Laminate /Nomex®- glass cloth	chamois	170 ± 10 %	310 ± 10 %	acrylic

**Filament Reinforced Polyester Adhesive Tape**

(No stock item)

**Properties:** Because of reinforcement by glass fibres well suitable for bundling. Resistant to transformer oil.

**Dielectric strength:** 5000 V<sub>eff</sub>

**Applications:** Motor and transformer industry

Main number	Base material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK86709	Polyester filament reinforced	colourless	0.120	0.170	acrylic

**Item number:** Example: EK86709/006.0  
EK86709 = main number  
/006.0 = width in mm