

# Electrical Adhesive Tapes for Thermal Class F (155°C)

## PEN Adhesive Tapes

(No stock item)

® registered trademark

**Properties:** Handling similar to polyester adhesive tapes, but higher temperature resistance. Good resistance against impregnating agents. **EK61200** is similar to **EK61100** with exception of tear strength, which is higher because of glass cloth.

**Dielectric strength:** 5500 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	
EK61100	PEN (Polyethylenenaphthalate)	transparent	0,025	0,070	acrylic
EK61200	Laminate PEN / Glass Cloth	white	0,140	0,240	acrylic

UL 510 listed

## Nomex®-(Aramide) Adhesive Tape

(No stock item)

**Properties:** Highly temperature and chemical resistant synthetic paper with high dielectric resistance.

**Dielectric strength:** 800 V<sub>eff</sub>

**Applications:** motor and transformer industry

Main number	Base material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK65100	Nomex®	chamois	0,050	0,0110	acrylic

UL 510 listed

## Nomex®-(Aramide) Adhesive Tape

(No stock item)

**Properties:** Slightly calendered Nomex® paper with good cushioning effect and absorption of impregnating agents. Appropriate as punched parts.

**Dielectric strength:** 3500 V<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	
EK65758	Polyaramide / Nomex® E56	chamois	0,80	0,220	acrylic

**Item number:** Example: EK61100/006.0

EK61100 = main number

/006.0 = width in mm

**FEP Adhesive Tape**

(No stock item)

**Properties:** Very elastic tape for interlayer isolation as replacement of fringed tapes. Good Resistance against corona discharges.

**Dielectric strength:** 7000 V<sub>eff</sub>

**Applications:** Coil end winding tape, phase separation and coil end cover.



Main number	Base material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK75730	FEP foil	transparent	0,050	0,085	Acrylic

**ETFE Adhesive Tape**

(No stock item)

**Properties:** Very elastic tape for interlayer isolation as replacement for fringed tapes. Well resistant against corona discharges.

**Dielectric strength:** 3000 V<sub>eff</sub>

**Applications:** Coil end winding tape, phase separation and coil end cover.

Main number	Base material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK77700	ETFE foil	transparent	0,1	0,16	polysiloxane

**Polyester Fleece Adhesive Tape**

(No stock item)

**Properties:** Strip-coated; can be used for thermal class F, if treated with an impregnating agent suitable to this class.

**Dielectric strength:** ca. 500 V<sub>eff</sub>

**Applications:** Coil end winding tape, phase separation and coil end cover.

Main number	Base material	Colour	Thickness [mm]		Adhesive	Width [mm]
			without adhesive	with adhesive		38
EK80725	Polyester fleece	white	0,060	0,160	acrylic	●

● from stock

Other widths on demand

**Glass Cloth Adhesive Tape**

(No stock item)

**Properties:** Rubber adhesive has high initial adhesive strength.

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

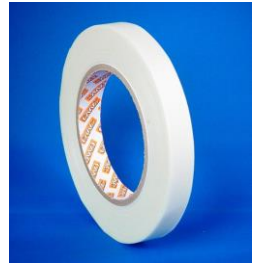
**Applications:** Transformer and motor industry.


Main number	Base material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK84160	Glass cloth	white	0,120	0,180	Rubber

**Item number:** Example: EK77700/006.0  
 EK77700 = main number  
 /006.0 = width in mm

## Glass Cloth Adhesive Tape

**Properties:** Acrylate adhesive for improved resistance to impregnating agents.  
**Dielectric strength:** 2000 V<sub>eff</sub>  
**Applications:** Transformer and motor industry



Main number	Base material	Colour	Thickness [mm]		Adhesive	Width [mm]			
			without adhesive	with adhesive		19	25	30	38
EK84170	 Glass cloth	white	0,120	0,170	acrylic	●	●	●	●

 UL listed

● from stock

Other widths on demand

## Filament Reinforced Polyester Adhesive Tape

(No stock item)

**Properties:** Highly tear - resistant tape reinforced by glass filaments, resistant against transformer oil.  
**Dielectric strength:** 5000 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	
EK86719	Polyester, reinforced by glass filaments	transparent	0,137	0,165	acrylic

**Item number:** Example: EK86719/006.0  
 EK86719 = main number  
 /006.0 = width in mm