

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

PEN Adhesive Tapes


® 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_{eff}

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

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

Dielectric strength: 800 V_{eff}

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

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

Dielectric strength: 3500 V_{eff}

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

- Properties:** Very elastic tape for interlayer isolation as replacement of fringed tapes. Good Resistance against corona discharges.
- Dielectric strength:** 7000 V_{eff}
- 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

- Properties:** Very elastic tape for interlayer isolation as replacement for fringed tapes. Well resistant against corona discharges.
- Dielectric strength:** 3000 V_{eff}
- 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

- 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_{eff}
- 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

- Properties:** Rubber adhesive has high initial adhesive strength.
- Dielectric strength:** 2000 V_{eff}
- 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_{eff}
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

Properties: Highly tear - resistant tape reinforced by glass filaments, resistant against transformer oil.
Dielectric strength: 5000 V_{eff}
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