

## Electrical Adhesive Tapes for Thermal Class H (180°C)

### Nomex®-(Aramide)-Adhesive Tape

(No stock item)

® registered trademark


**Properties:** Because of Acrylic adhesive suitable for higher temperatures.

**Dielectric strength:** 800 V<sub>eff</sub> - 8000 V<sub>eff</sub> (depending on thickness)

**Applications:** Motor and transformer industry



main number	Base material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK65120	Nomex® (Aramide)	chamois	0.050	0.110	Acrylic
EK65121	Nomex® (Aramide)	chamois	0.080	0.130	Acrylic
EK65122	Nomex® (Aramide)	chamois	0.130	0.185	Acrylic
EK65123	Nomex® (Aramide)	chamois	0.180	0.235	Acrylic

 UL 510 listed, flame retardant

### Nomex®-(Aramide) Adhesive Tape

(No stock item)

**Properties:** Elastic adhesive on Nomex® E56A with good absorption of impregnating agent.

**Dielectric strength:** 3500 V<sub>eff</sub>

**Applications:** Generator, motor and transformer industry

Main number	Base material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK65758	Nomex®E56A (Aramide)	chamois	0.180	0.225	Acrylic

### Kapton®-Adhesive Tapes


(No stock item)

**Properties:** High dielectric strength, good mechanical properties even at high and low temperatures. Kapton® is flame retardant according to UL 94V0.

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

**Applications:** Space-saving insulation in the high-temperature range; maximum insulation reserves for occasional overloads.

Main number	Base material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK70100	Kapton® (Polyimide foil)	brown	0.025	0.055	Acrylic


 UL 510 listed, flame retardant

**Item number:** Example: EK65120/025.0  
 EK65120= main number  
 /025.0=width in mm

- Properties:** Like EK70100. but with polysiloxane adhesive, that remains flexible even under extreme conditions.
- Dielectric strength:** 12000 V<sub>eff</sub>
- Applications:** Space-saving insulation in the high-temperature range; maximum insulation reserves for occasional overloads.




Main number	Base material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK70105	Kapton® (Polyimide foil)	brown	0.050	0.080	Acrylic

 UL 510 listed, flame retardant

- Properties:** Universal, high temperature-resistant insulation adhesive tape for the highest standards, chemically and electrically extremely resistant. When pulling off no leaving residues even after temperature stress
- Dielectric strength:** 6000 V<sub>eff</sub>
- Applications:** Aircraft and aerospace industry, masking in soldering bath and as masking tape for powder coating.

Main number	Base material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK70110	Kapton® (Polyimide foil)	brown	0.025	0.065	polysiloxane

 UL 510 listed, flame retardant

- Properties:** Like EK70100. but with polysiloxane adhesive, that remains flexible even under extreme conditions. Because of stronger foil higher dielectric strength
- Dielectric strength:** 12000 V<sub>eff</sub>
- Applications:** Aircraft and aerospace industry, masking in soldering bath and as masking tape for powder coating.

Main number	Base material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK70115	Kapton® (Polyimide foil)	brown	0.050	0.100	polysiloxane

- Item number:** Example: EK70105/025.0  
EK701005= main number  
/025.0= width in mm

## Polyimide Adhesive Tape

*(No stock item)*

- Properties:** Universal, highly temperature-resistant adhesive tape. This tape represents a cost effective alternative to Kapton®- adhesive tapes.
- Dielectric strength:** 5000 V<sub>eff</sub>
- Applications:** Polyimide adhesive tape with maximum temperature resistance and very easy to remove even after intense temperature exposure, e.g. as a masking tape for reflow soldering processes



Main number	Base material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK70210	Polyimide foil	brown	0.025	0.065	Polysiloxane

## PEEK™ Adhesive Tape

*(No stock item)*

- Properties:** Thermoplastic high-performance PEEK film, very capable of deep drawing, extremely good abrasion resistance, highly mechanically, electrically and chemically resistant, removable adhesive tape.
- Dielectric strength:** ≥ 4000 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	
EK72110	PEEK	beige	0.025	0.065	Polysiloxane

## PTFE Adhesive Tape

*(No stock item)*

- Properties:** Very elastic foil as replacement for fringed foils. 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	
EK75100	PTFE foil	grey	0.050	0.085	Acrylic

- Item number:** Example: EK70210/025.0  
 EK70210= main number  
 /025.0=width in mm

**PTFE Adhesive Tape**

(No stock item)

**Properties:** Tear-proof PTFE foil for gliding surfaces exposed to higher mechanical loads or higher temperatures. This tape is resistant to corona discharge and can replace fringed adhesive tapes.

**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	
EK76700	PTFE foil	grey	0.130	0.175	Polysiloxane


**Glass Cloth Adhesive Tape**


(No stock item)

**Properties:** Due to polysiloxane adhesive suitable to higher temperatures. Mechanical very stable and temperature-resistant fibreglass adhesive tape, also ideal for complicated 3D shapes due to its fabric structure.

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

**Applications:** Motor and transformer industry

Main number	Base material	Colour	Thickness [mm]		Adhesive
			without adhesive	with adhesive	
EK84150 	Glass cloth	white	0.120	0.180	Polysiloxane

 UL 510 listed, flame retardant

**Item number:** Example: EK76700/025.0  
 EK76700= main number  
 /025.0=width in mm