

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

Nomex®-(Aramide)-Adhesive Tape





® registered trademark


Properties: Because of Acrylic adhesive suitable for higher temperatures.

Dielectric strength: 800 V_{eff}- 8000 V_{eff} (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

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

Dielectric strength: 3500 V_{eff}

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

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_{eff}

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_{eff}
- 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_{eff}
- 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_{eff}
- 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

- Properties:** Universal, highly temperature-resistant adhesive tape. This tape represents a cost effective alternative to Kapton®- adhesive tapes.
- Dielectric strength:** 5000 V_{eff}
- 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

- 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_{eff}
- 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

- Properties:** Very elastic foil as replacement for fringed foils. 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	
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

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

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	
EK76700	PTFE foil	grey	0.130	0.175	Polysiloxane


Glass Cloth Adhesive Tape

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

Dielectric strength: 2000 V_{eff}

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