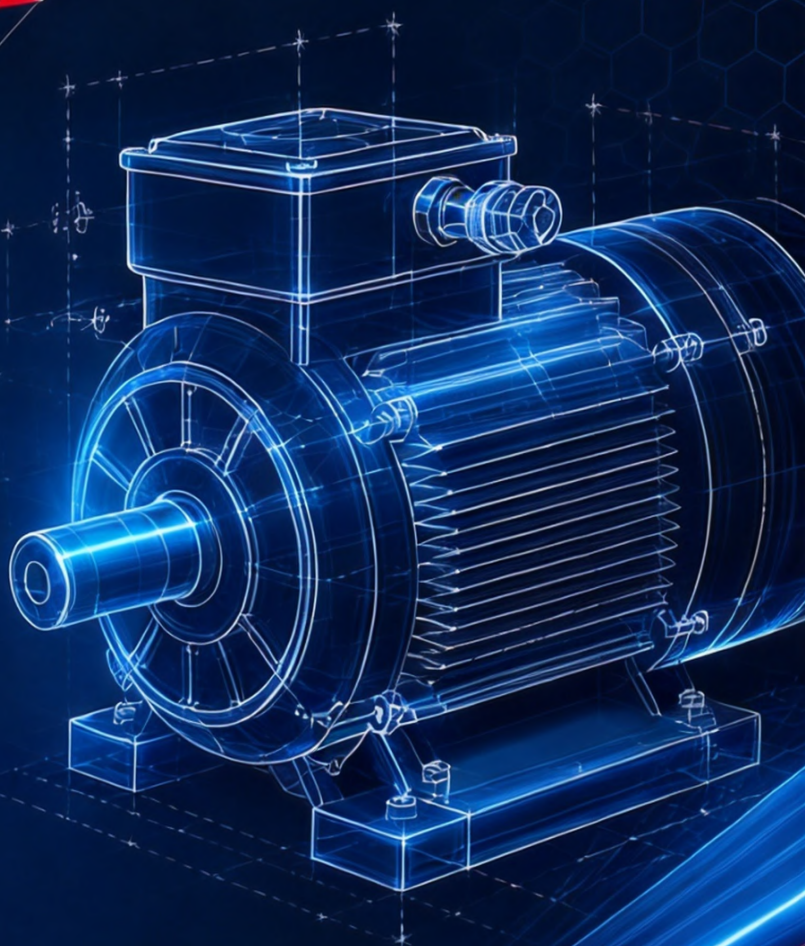
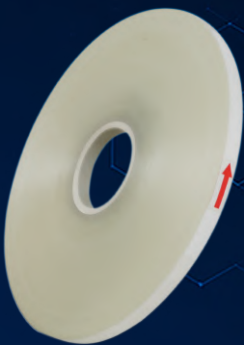


ELECTRICAL INSULATION MATERIALS

Advanced Solutions for
Electric motors - Generators - Transformers
Electric Mobility - Renewable Energy



Plastic Films



Description

Our high-performance insulation films are designed for electrical insulation systems used in motors, generators and transformers. They provide excellent dielectric strength, mechanical stability and long-term reliability while meeting the demanding requirements of modern electrical equipment. Available in various thicknesses and surface finishes, these films are suitable for layer insulation, slot insulation and phase insulation.

Material	Thermal Class 
 Polyester (PET)	Class B (130°C) / Class F (155°C)
 Polypropylene (PP)	Up to Class B (130°C)
 Polyvinyl chloride (PVC)	Class A (105°C)



Applications:
Electric motors
Generators
Transformers
Layer insulation
Slot liners
Phase insulation



Keep
Clean



No Direct
Sunlight



Keep
Dry

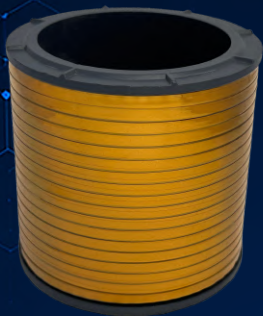


6 Months
Self Life



Rolls
Pads
Spools

HT Plastic Films



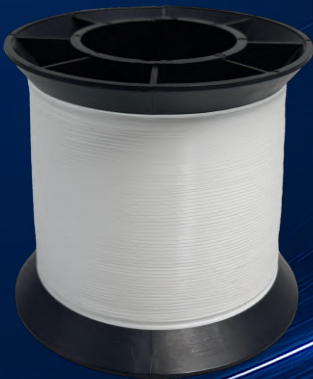
Description

Our high temperature plastic films are engineered for demanding electrical insulation systems requiring exceptional thermal stability, dielectric performance and chemical resistance. They maintain excellent mechanical and electrical properties even under continuous high-temperature operation.

Material	Thermal Class 
 Polyimide (PI)	Class H (180°C) / Class C (220°C+)
 Polytetrafluoroethylene (PTFE)	Continuous operating temperatures up to 260°C
 Multi Layers	PTFE/PI, PTFE/FEP, PI/FEP, FEP/PI/FEP



Applications:
High-temperature motors
Generators
Transformers
Traction motors
Industrial electrical equipment
High insulation class systems



Rolls
Pads
Spools



Keep
Clean



No Direct
Sunlight



Keep
Dry



6 Months
Self Life

Fiberglass Tapes



Description

Our fiberglass tapes provide excellent electrical insulation, mechanical reinforcement and thermal resistance for rotating electrical machines and transformers. Available with various coatings and adhesive systems, they are ideal for coil wrapping, reinforcement and high-temperature insulation.

Material	Thermal Class 
 Fiberglass	Class F (155°C)
 Fiberglass silicone coated	Class H (180°C)



Applications:
Coil wrapping
Motor windings
Generator windings
Transformer insulation
Phase insulation
Mechanical reinforcement



Keep
Clean



No Direct
Sunlight



Keep
Dry

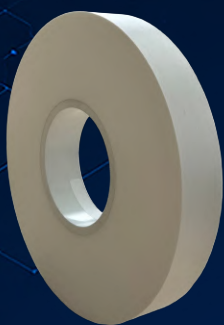


6 Months
Self Life



Rolls
Pads
Spools

Non-Woven Tapes



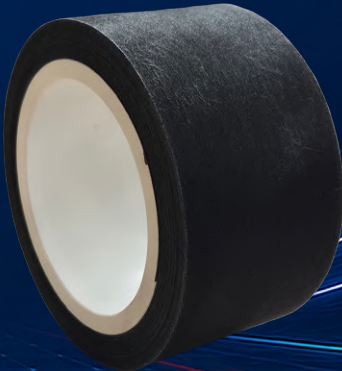
Description

We supply a comprehensive range of flexible insulation laminates including DM, DM-S, DMD, DMD-S and other composite materials. These insulation materials combine polyester films with polyester or aramid non-woven fabrics, providing excellent dielectric strength, flexibility and long-term thermal performance.

Material	Thermal Class 
 DM, DM-S (Non-Woven/PET)	Class B (130°C) / Class F (155°C)
 DMD, DMD-S (Non-Woven/PET/Non-Woven)	Class F (155°C) / Class H (180°C)
 Single Layer	Non- / & Semi-Conductive, Flame-Retardant, Reinforced



Applications:
Phase insulation
Interlayer insulation
Coil insulation
Electric motors
Generators
Transformers



Rolls
Pads
Spools



Keep
Clean



No Direct
Sunlight



Keep
Dry



6 Months
Self Life

Insulation Papers



Description

Our insulation paper portfolio includes kraft paper, crepe paper, aramid paper, Nomex® laminates, KP, KPK, NM, NMN and other composite insulation materials. These materials combine excellent dielectric performance with high mechanical strength and long-term thermal stability.

Material	Thermal Class 
 Kraft Paper (K)	Class A (105°C)
 Kraft Paper with PET (KP, KPK)	Class A (105°C) / Class E (120°C)
 Aramid Paper / Nomex® (A, N)	Class H (180°C)
 Aramid Paper / Nomex® with PET (AP, AM, NM, APA, AMA, NMN)	Class F (155°C) / Class H (180°C)
 Aramid Paper / Nomex® with PI (AH, NH, AHA, NHN)	Class H (180°C) / Class C (220°C+)



Keep Clean No Direct Sunlight Keep Dry 6 Months Self Life



Rolls
Pads
Spools



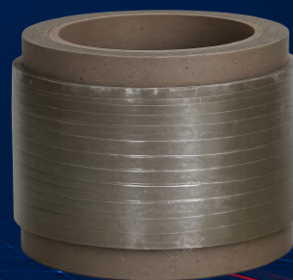
Applications:
Electric motors
Generators
Transformers
Coil insulation

Mica Tapes

Description

Our mica tapes are designed for high-voltage insulation systems requiring superior dielectric strength, outstanding thermal endurance and excellent fire resistance. Available with phlogopite, muscovite and synthetic mica, combined with polyester, polypropylene, polyimide or fiberglass carriers, our insulation tapes provide reliable performance for motors, generators and transformers.

Material	Thermal Class 
 Mica Phlogopite	Class H (180°C)
 Mica Muscovite	Class F (155°C)
 Mica Synthetic	Class C (220°C+)
 Mica/PP	Class B (130°C)
 Mica/PET, Mica/PI	Class F (155°C) / Class C (220°C+)
 PET/Mica/PET, PI/Mica/PI	Class F (155°C) / Class C (220°C+)



Applications:
HV motors
Generators
MV & HV coils
Transformer



Rolls
Pads
Spools



Keep
Clean



No Direct
Sunlight



Keep
Dry



6 Months
Self Life



Kemaite

HIGH PERFORMANCE MATERIALS



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