

2024

PRODUCT RANGE AND FINAL APPLICATION

***COVEME ELECTRICAL
INSULATION MATERIALS***

coveme

THE VALUE OF INNOVATION

COVEME KEYFACTS

Thanks to sixty years of know-how in the field of electrical insulation, highly technological production lines, cutting-edge conversion processes and rigorous quality control procedures, Coveme is recognized for its competence and reliability on a global level.

The solid partnerships with clients and suppliers developed over the years have allowed Coveme to meet the challenges of a constantly evolving market and to develop innovative products that respond to the needs of the industry.

-
- + 60 years of know how in the electrical insulation sector**
 - + 2 production plants in Italy and Asia**
 - + 3 R&D hubs in Italy, Germany and China**
 - + 13 Coating, lamination and heat stabilization lines**
 - + 30.000 tons of polyester film converted per year**
 - + Automated slitting department for customized cuts**
 - + Worldwide distribution and service**
 - + Qualified DuPont™ Nomex® distributor and laminator**
 - + IATF certified for automotive industry**
 - + UNI EN ISO 9001, ISO 14001 and ISO 45001 certified**



DuPont™
NOMEX®
DISTRIBUTOR

DuPont™
NOMEX®
QUALIFIED
LAMINATOR

PRODUCT RANGE AND APPLICATION CHART

Coveme supplies a complete range of high performance flexible electrical insulation materials for motors, transformers, batteries and conductors in all thermal classes.

APPLICATION	CATEGORY	COVEME PRODUCTS				
Motors	Automotive <800V	DyTerm® K	Nomex®	DyTerm®		
	Automotive >800V	DyBond® Blue	DyTerm® K Blue			
	Thermal Class B 130°	DyFilm®	DyFlex® unsaturated DM/DMD*	DyVolt®		
	Thermal Class F 155°	DyFlex® saturated DM/DMD**	DyTerm® NM			
	Thermal Class H 180°	DyTerm® NMN				
	Thermal Class 200°	Nomex®	Kapton®	DyTerm® K	DyBond® Blue	DyTerm® K Blue
Transformers	Thermal Class B 130°	DyFilm®	DyVolt®	DyFlex® unsaturated DM/DMD*	DyBond® PET/HBB/HCC/HTK	
	Thermal Class F 155°	DyFlex® saturated DM/DMD**	DyTerm® NM	DyBond® DM/DMD*	DyBond® NM	
	Thermal Class H 180°	DyTerm® NMN	DyBond® NMN			
	Thermal Class 200°	DyTerm® K				
	Thermal Class 220°	Nomex®	Kapton®	DyBond® 410/356/818		
	High Frequency	DyBond® Blue	DyTerm® K Blue			
Batteries	VTM 0	DyBond® Nomex®	Nomex®			
	VTM 2	DyTerm® NM/NMN	DyTerm® K			
Conductors	Thermal Class B 130°	DyFilm®	DyFlex® unsaturated DM/DMD*	DyVolt®		
	Thermal Class F 155°	DyFlex® saturated DM/DMD**	DyTerm® NM			
	Thermal Class H 180°	DyTerm® NMN				
	Thermal Class 200°	Nomex®	Kapton®	DyTerm® K	DyBond® Blue	DyTerm® K Blue

*ISF/IDF **SF/SDF

COVEME HIGH PERFORMANCE INSULATION AND FINAL APPLICATIONS

NEW

DyBond® Blue / DyTerm® K Blue

NOMEX® 818 Resin treated /
DyBond® Blue - KAPTON® laminates



Thermal Class 200°C

DyFilm® / DyFilm® HB/HBB/HCC/HTK

Untreated / Treated Polyester film



Thermal Class B

DyVolt®

PET and Paper based laminates



Thermal Class B

DyFlex®

Non Woven Fleece and polyester film laminates
("DM" and "DMD")



Thermal Class B-F

DyTerm® / DyTerm® K

Nomex® with polyester film ("NM", "NMN")
and Nomex® with Kapton® laminates ("NK", "NKN")



Thermal Classes F-H



Thermal Class 200°C

DyBond®

Pre-preg products with a B-Stage resin



Thermal Classes up to H

Nomex® / Kapton®

Aramid paper / Polyimide film

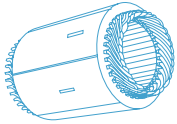


Thermal Class 220°C



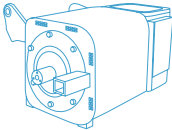
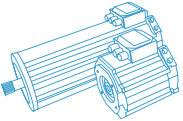
Thermal -269°C to 400°C

MOTORS



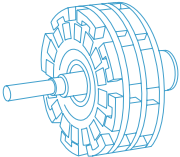
E-MOTORS

- Electrical insulation
- Mechanical properties
- Thermal conductivity
- Chemical resistance
- Partial discharge resistant
- Performing up to 220°C
- Processability



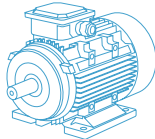
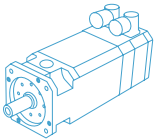
TRACTION MOTORS

- Heavy duty resistant
- Long-term reliability
- High temperature resistance



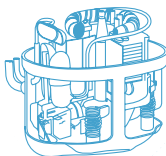
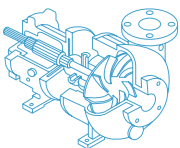
WIND TURBINE GENERATORS

- Long-term reliability
- Partial discharge resistant
- Raw material size/weight optimization



INDUSTRIAL MOTORS

- Mechanical properties
- Different thermal classes
- Long-term reliability

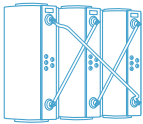


APPLIANCES MOTORS

- High performance resistant
- Optimization of space
- Excellent quality/price ratio

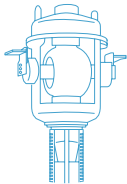


TRANSFORMERS



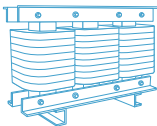
CAST RESIN DRY TYPE TRANSFORMERS

- Tailor-made products
- High temperature performance
- Vast range of solutions



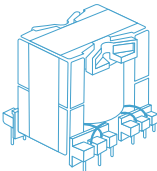
SF6 INSTRUMENT TRANSFORMERS

- Engineered polymer films
- Different types of coatings
- Customized projects



POWER SYSTEMS DRY TYPE TRANSFORMER

- Partial discharge resistant
- Mechanical properties
- Thermal resistant

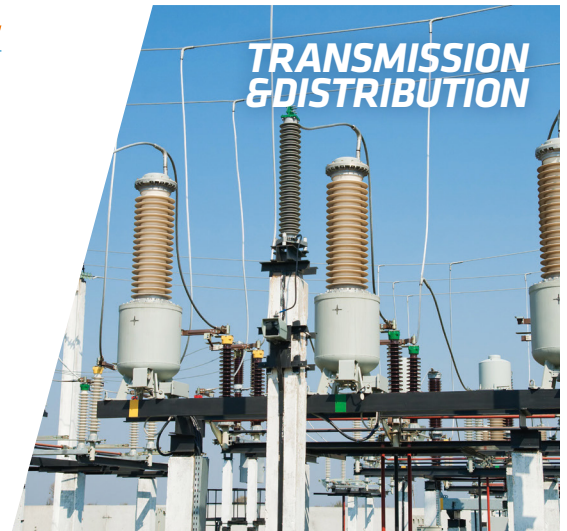


HIGH FREQUENCY TRANSFORMERS

- Long-term reliability
- Various thermal classes
- Customized projects

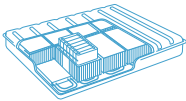


DATA CENTER



TRANSMISSION & DISTRIBUTION

BATTERIES

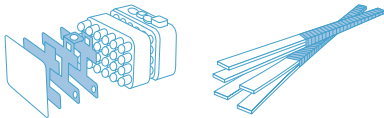


CELL SPACERS

- High humidity resistance
- Flammability resistance
- High Dielectric Strength
- Thermal resistance

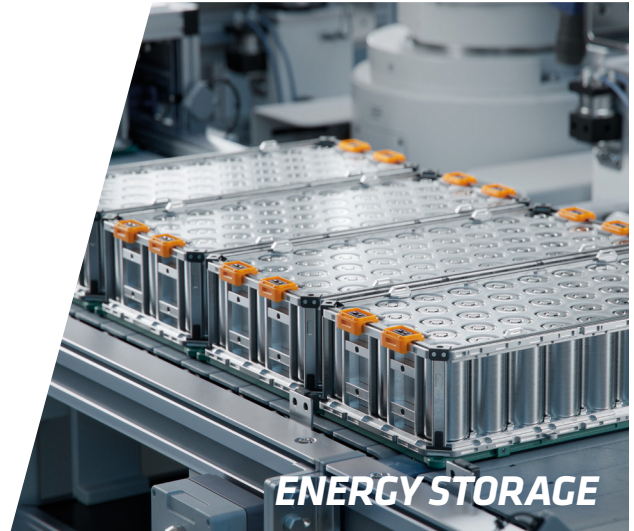


CONDUCTORS



BUS BARS & WRAPPED CONDUCTORS

- Vast range solutions
- Engineered polyester films
- Mechanical properties



ENERGY STORAGE



TRANSPORT

Coveme is certified ISO 9001:2015 for quality management standards, ISO 14001:2015 for environmental management and ISO 45001:2018 for occupational health and safety.

COVEME ITALY CERTIFICATES



ISO 9001:2015



ISO 14001:2015



ISO 45001:2018

COVEME CHINA CERTIFICATES



ISO 9001:2015



ISO 14001:2015



ISO 45001:2018



Coveme insulating materials are UL Underwriters Laboratories certified and recognized by all major certification bodies worldwide.



Coveme is IATF (International Automotive Task Force) certified as suppliers to the automotive industry



Coveme has received the Bronze Medal Ecovadis certification as the result of a corporate sustainability performance evaluation.



www.coveme.com

COVEME EUROPE

Italy

Coveme S.p.A.

Headquarters:

Via Emilia, 288
40068 - S. Lazzaro di Savena (BO) - Italy
ph. +39 051 6226111

Production Plant and Registered Offices:

Via Gregorcic, 16
34170 - Z.I. S. Andrea - Gorizia - Italy
ph.+39 0481 579911

COVEME ASIA

China

Coveme Engineered Films Zhangjiagang Co., Ltd.

Production Plant and Office:

No. 16, Yuefeng road, Yangshe Town, Zhangjiagang
City, Jiangsu Province, China
P.C. 215600
Ph. +86 512 82559911

COVEME AMERICA

USA

Coveme America INC

Registered Office:

65 N River Lane, Suite 209 Geneva, IL 60134 (USA)
Tel: +1 (630) 578-6671

Operation Office:

1817 N Shawano Street, New London, WI 54961 (USA)
Tel: +1 (847) 867-1272