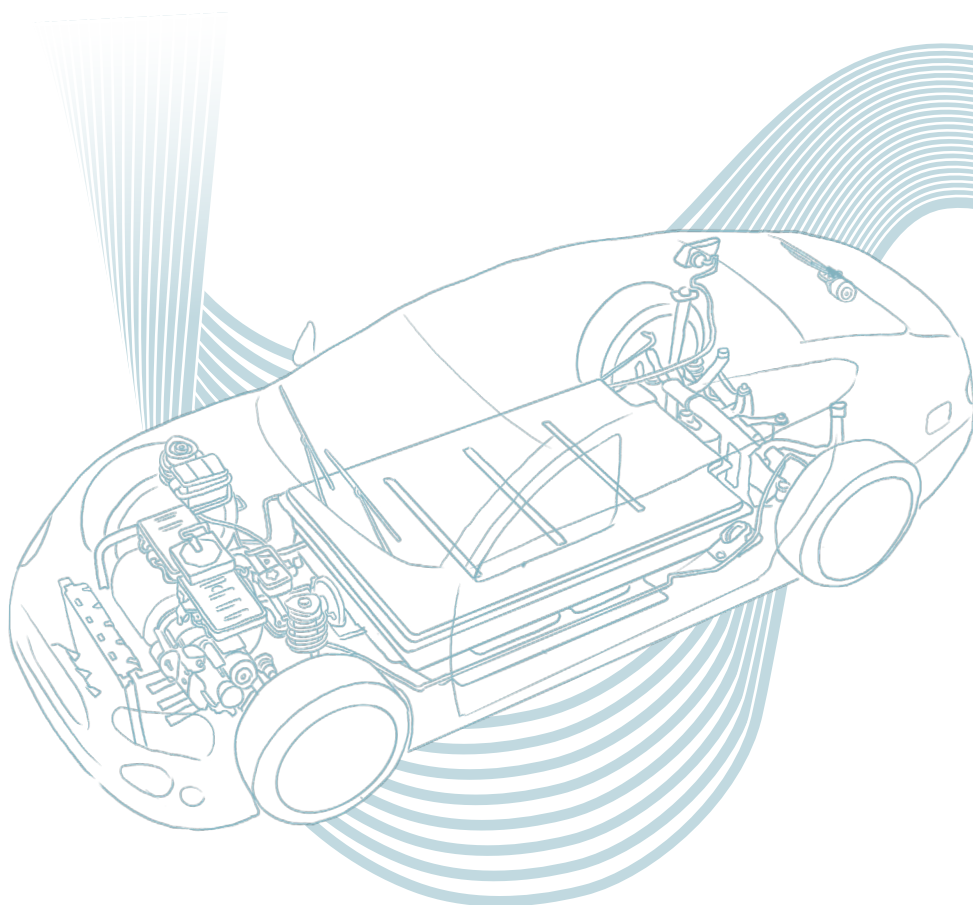


# ***E-MOBILITY***

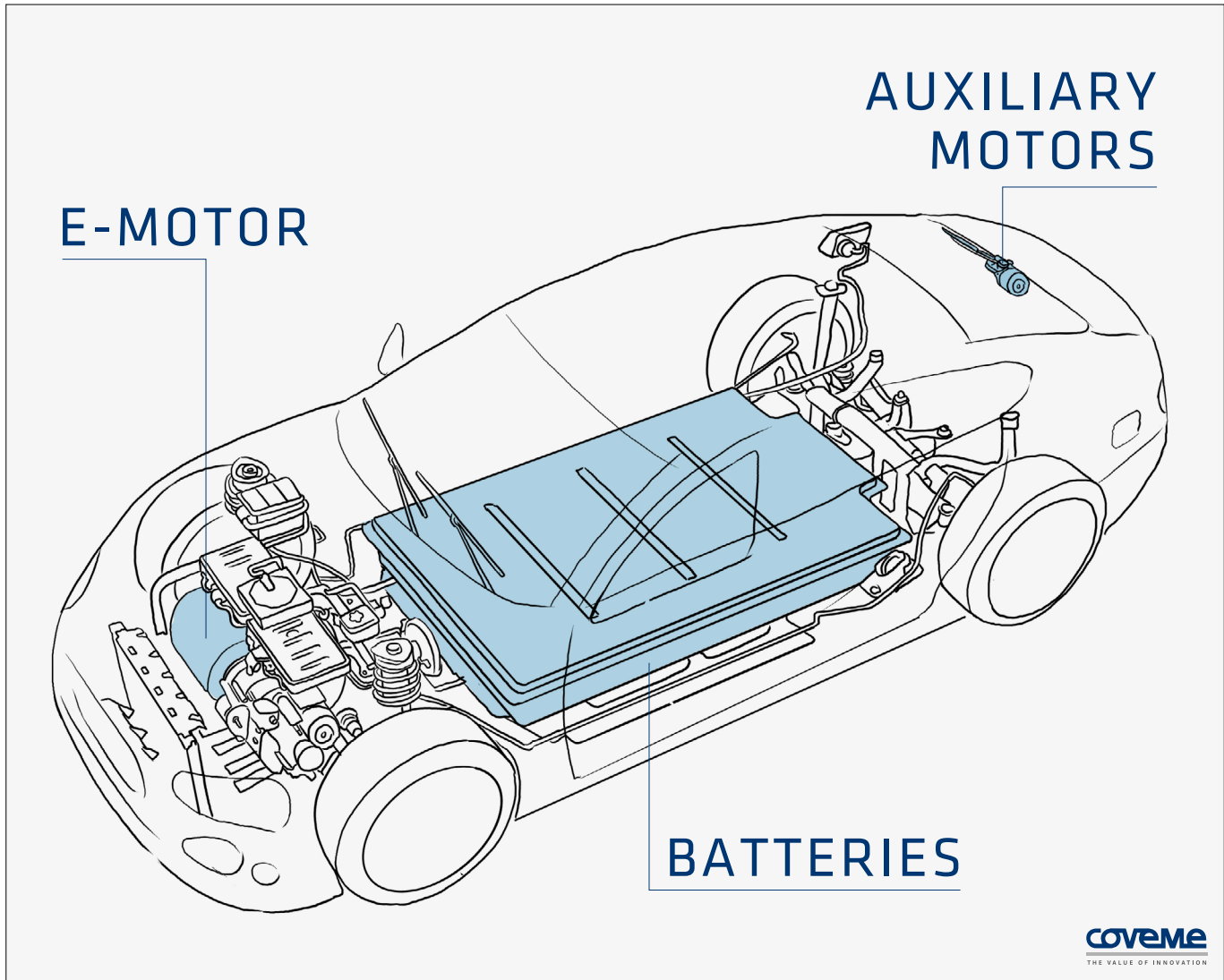
***COVEME ELECTRICAL  
INSULATION MATERIALS***



**coveme**

THE VALUE OF INNOVATION

Electrification is driving a transformative shift towards more sustainable transportation solutions, whether in fully electric vehicles or hybrid configurations. Coveme, with a strong commitment to innovation and sustainability, contributes to the e-mobility sector with dedicated flexible electric insulation solutions for many essential system components.



## APPLICATION AND PRODUCT CHART

Coveme's products cater to key e-mobility components. Explore our comprehensive product chart for tailored solutions that ensure optimal performance and reliability in each application:

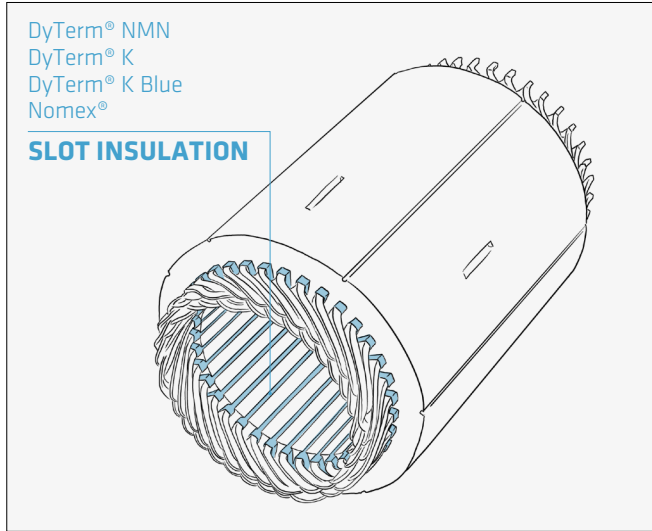
| APPLICATION      |                      | COVEME PRODUCT RANGE        |                              |             |
|------------------|----------------------|-----------------------------|------------------------------|-------------|
| E-MOTORS         | > 800 Volt           | DyTerm® K Blue              |                              |             |
|                  | < 800 Volt           | DyTerm® K                   | Nomex®                       | DyTerm® NMN |
| AUXILIARY MOTORS | Thermal Class B 130° | DyFilm®                     | DyFlex® DM/DMD unsaturated * | DyVolt®     |
|                  | Thermal Class F 155° | DyFlex® DM/DMD saturated ** | DyTerm® NM                   |             |
|                  | Thermal Class H 180° | DyTerm® NMN                 |                              |             |
| BATTERIES        | VTM*** = 0           | DyBond®HR                   | Nomex®                       |             |
|                  | VTM*** = 2           | DyTerm® NMN                 | DyTerm® K                    |             |

**NEW** DyTerm® K Blue and DyBond® HR

\*ISF/IDF, \*\*SF/SDF, \*\*\* VTM=Vertical burn thin materials, test UL 94

## E-MOTORS

Coveme's insulation solutions are meticulously engineered to meet the rigorous demands of electric traction systems, guaranteeing peak efficiency and reliability for e-motors. Employing advanced manufacturing techniques and rigorous quality control, we ensure superior and consistent performance.

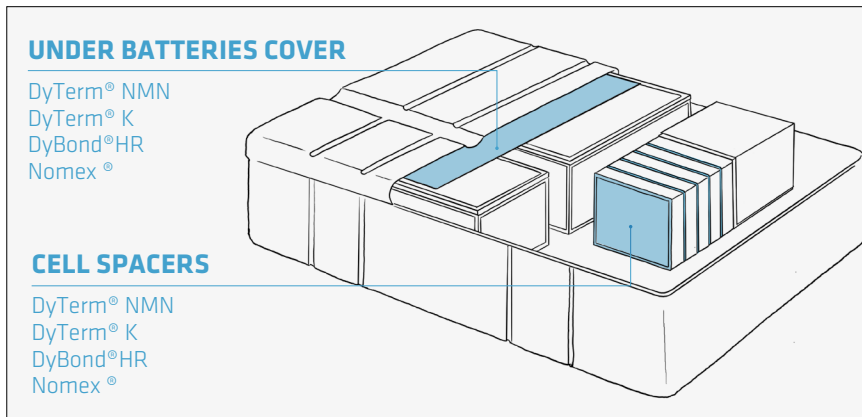


Slot insulation separates conductors from each other and grounded frames, tasked with withstanding the increased electric stress from modern converters. **For 800 Volt-fed motors Coveme has an innovative solution : DyTerm° K Blue.**

- **Partial Discharge Endurance**  
Unmatched resistance, up to 1000 times more than traditional slot liners.
- **Improved Thermal Conductivity**  
Suitable for systems in thermal class 200°, enhancing heat dissipation.
- **Optimization**  
Enables higher power density or savings in active materials.

## BATTERIES

Ensuring safety in battery technology is imperative. Thermal runaway is a significant risk in multi-cell Li-ion batteries and can result in fires and conflagrations. To prevent the spread of intense heat between cells and modules, insulator materials play a vital role.

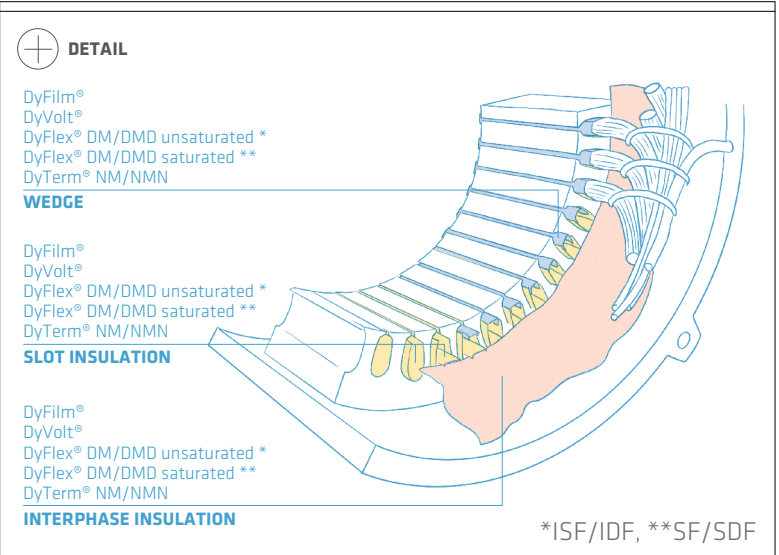
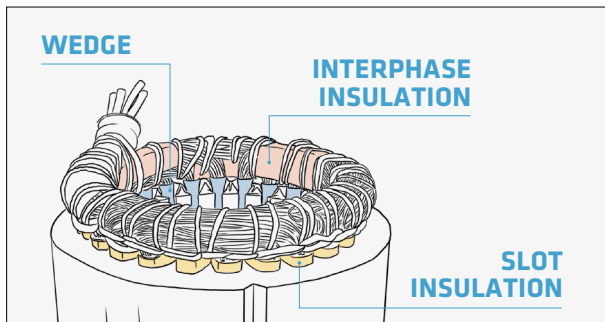


Coveme's range includes insulation materials engineered to withstand high temperatures and resist flame propagation. They can be used as cell-to-cell and module spacers/separators and covers.

These solutions are UL VTM 0 rated, contributing to enhancing the safety of battery systems.

## AUXILIARY MOTORS

Coveme offers an extensive array of solutions for various auxiliary motors, including pumps, blowers, and wipers. With products available across all thermal classes, Coveme prioritizes reliability and quality, guaranteeing dependable performance in every application.



**We recommend:**

**In Class H:** DyTerm°, laminates of Nomex° and PET films.

**In Class B and F:** DyFlex°, laminates of PET fleece with PET film.

**DETAIL**

- DyFilm°
- DyVolt°
- DyFlex° DM/DMD unsaturated \*
- DyFlex° DM/DMD saturated \*\*
- DyTerm° NM/NMN

**WEDGE**

- DyFilm°
- DyVolt°
- DyFlex° DM/DMD unsaturated \*
- DyFlex° DM/DMD saturated \*\*
- DyTerm° NM/NMN

**SLOT INSULATION**

- DyFilm°
- DyVolt°
- DyFlex° DM/DMD unsaturated \*
- DyFlex° DM/DMD saturated \*\*
- DyTerm° NM/NMN

**INTERPHASE INSULATION**

\*ISF/IDF, \*\*SF/SDF

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](http://www.coveme.com)

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