



COVERMAT

E-MOBILITY

SOLUTIONS



COVERMAT
GROW YOUR BUSINESS WITH US

WWW.COVERMAT.CO.TH

ABOUT COVERMAT

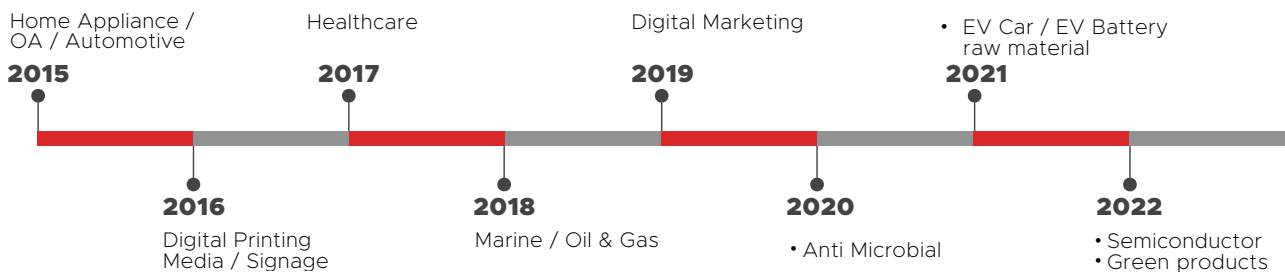
Covermat Co.,Ltd. is a leading distribution company in Thailand. Our mission is to bring the **"best products around the world"** into each local market by getting the best support, best service and always up to date the trend and technology to make sure customers getting good experience and highest benefit with sustainable growth.

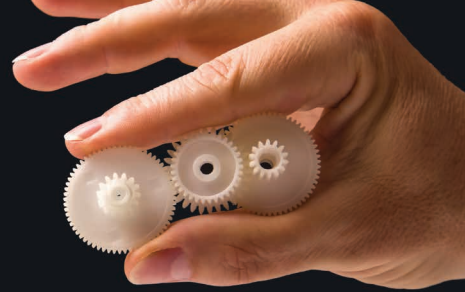
We are working with many global partners on electric vehicle and EV battery market and support many kinds of products for battery application such as battery cell, battery module, and battery pack and labeling as well.

Our company provide intensive range of electrical insulation tape, Polyimide tape, Flame Barrier, Thermal management solution (Thermal gap filler, Thermal Adhesive) conductive coating, encapsulate for **all battery assembly part.**

In addition, we provide a full range of printing part for all special labeling for mobility, film, tape and double adhesive tape as specialist in this E-mobility market.

Covermat is an official partner for more than **20 supplier & 8 country worldwide.**
(And 9 supplier for E-Mobility Solution)





COMPONENT SOLUTION FOR EV



Essentra Components, a worldwide manufacturer and distributor of small, but vital, components for multiple industries. Their solutions play a big part in the automotive industry as it transitions towards an electric future. Essentra work with the 5 largest EV manufacturers and top 15 tier one automotive suppliers globally, providing the highest standards of service and quality, supporting their journey towards electrification.



Tapered Caps and Plugs



Security Seals



Hardware PCB



Handler



Fasteners and Fixings



Pneumatic Protection



Tube Inserts, Connectors, Locks, Latches, Catches and Ferrules



Locks, Latches, Catches and Hinges



Adhesive Tapes

BONDING SOLUTION FOR EV

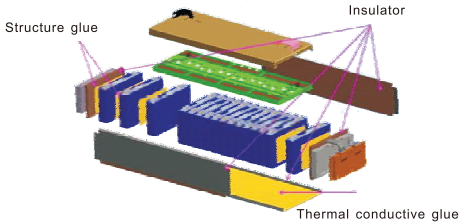


DARBOND is a company that employs R&D, production, and sales focusing on polymer engineering and interface materials. DARBOND uses a strong team of technical experts and first-class office space along with R & D, production, and sales to achieve the idea of development of cutting-edge technology for engineering and interface materials while also striving for independent innovation and development.

POWER BATTERY



PACK SEALANT



CELL FIXATION

CHARGING PILL AND GENERATOR



RELIABLE SEALING AND BONDING



CHARGING PILE

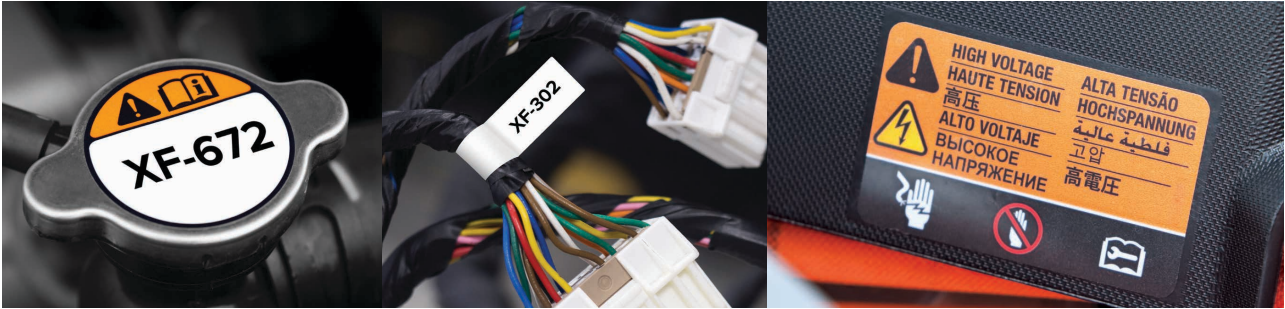
SOLUTION

- Control panel waterproof seal bonding **2501 Modify silane adhesive**
- Shell waterproof seal **2502H Modify silane adhesive**
- Box waterproof seal **6702 Butyl strip**
- Charger potting **2525 Potting adhesive**
- IGBT case bonding **2525 Potting adhesive**
- 9045 One-component sealant adhesive**

HI-TEMP & FLAME RETARDANT LABEL SOLUTION FOR EV



Polyonics manufactures a family of barcode label materials that address the key automotive under-the-hood barcode tracking requirements. The thermal transfer printable (TTP) label materials range from high temperature polyimide (PI) to ultra-high temperature aluminum. In addition, black and white laser markable polyimide and white aluminum label constructions are available for applications too harsh for traditional thermal transfer printing.



INDUSTRIES

Passenger and commercial vehicles

PRODUCTS

XF-302, XF-592,
XF-670, XF-672,
XF-803, XF-808

APPLICATIONS

- Drive train
- Engine
- Exhaust
- Transmission
- Suspension
- Wire harness
- Wheels
- Low surface energy plastics

CUSTOMER BENEFITS

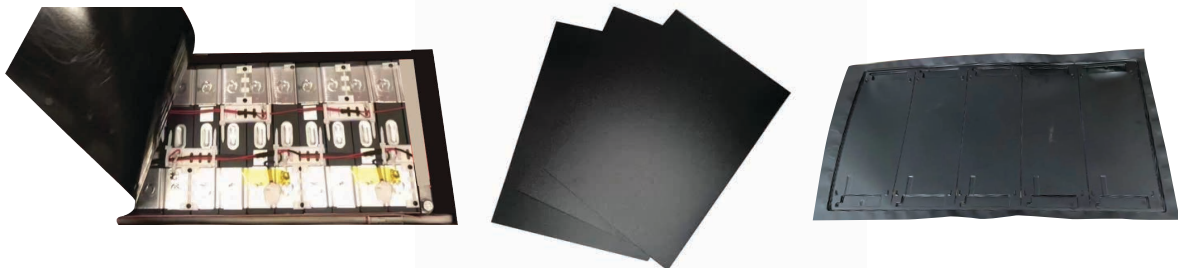
- High temperature stability
- Aggressive pressure sensitive adhesives
- Durable topcoats
- Thermal transfer printable
- Laser markable

PC INSULATION SHEET SOLUTION FOR EV BATTERY

Dobesty 地博

FLAME RETARDANT POLYCARBONATE SHEET

Lightweight High Tensile Strength Flame Retardant Polycarbonate Sheet Electronic Industry Black Flame Retardant Polycarbonate Sheet V0 Flame Retardant Black Polycarbonate Sheet



PI FILM SOLUTION FOR BATTERY PROTECT INSULATION



Product : Kapton Tape

Product Model : IH852 (General Purpose)
E1-IH803AX (Require ESD)

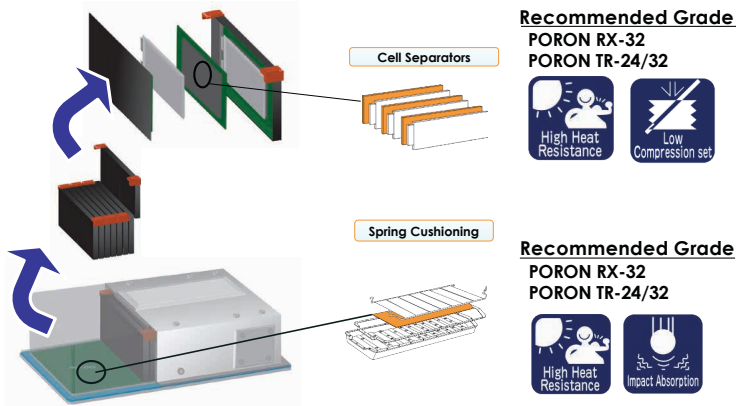
Application : Insulation between pulse cell
(insulation cover battery to protect electrical leakage)

CUSHION SOLUTION FOR EV BATTERY PACK

PORON®

What's PORON ?

PORON® is a high performance urethane foam materials, featuring unique micro-cell structure in good uniformity.

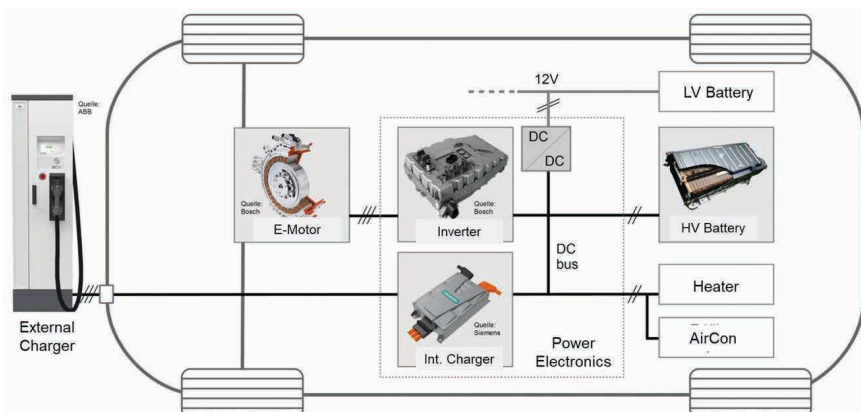
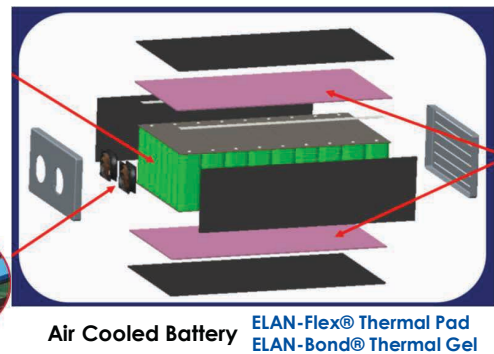
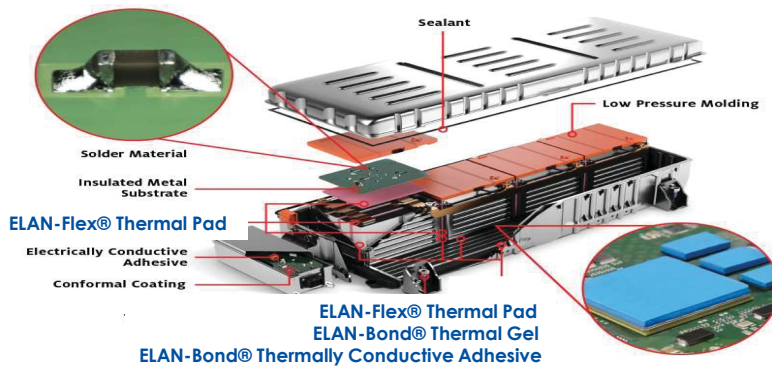


THERMAL INTERFACE MATERIALS (TIMS) SOLUTION FOR EV

ELANTAS

High performance solutions for the global electrical and electronics industry
ELANTAS is a specialist for liquid insulation materials for the electrical and electronics industry.

ELANTAS products can be found in applications such as electric motors, generators, transformers, capacitors, computers, PCB's, power electronics, EV Battery, sensors contributing significantly to safety, reliability and long life of such devices.

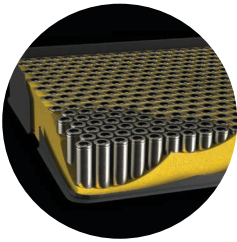


- SOLUTION**
- Electrical Vehicle
 - Power Electronic
 - EV Batteries
 - External Charger

ELECTRIC VEHICLE BATTERY SOLUTION



H.B Fuller's Innovative Solution for Electric Vehicle Battery Module Crash Protection The transition to electric vehicle (EV) technologies that began only a decade ago is now gaining momentum globally and holds promise for a low-emission future. EV manufacturers are tirelessly striving to offer consumers higher performance electric cars every year.



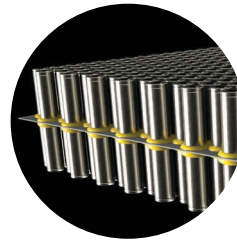
EV PROTECT

LIGHTWEIGHT, FIRE RETARDANT,
POLYURETHANE FOAM
ENCAPSULANT



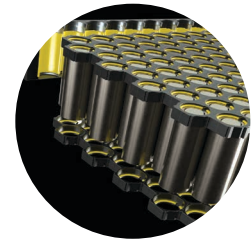
EV SEAL

BATTERY PACK GASKET
SEALANTS



EV THERM

THERMAL MANAGEMENT
ADHESIVE TECHNOLOGIES



EV BOND

STRUCTURAL ADHESIVE
TECHNOLOGIES

MOUNTING SOLUTION FOR E-MOBILITY MARKET

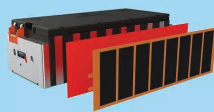


The design of battery modules and battery packs is driven by safety, reliability, and cost - with weight and space constraints as limiting factors. Our mounting and lamination solutions enable **OEM and OES customers worldwide** to meet their design and budget targets.

DISCOVER HOW WE HELP YOU TO SECURELY MOUNT PARTS INSIDE THE BATTERY



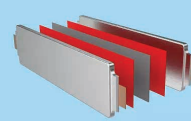
FPC MOUNTING



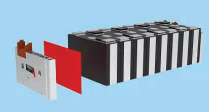
PI HEATING PLATE MOUNTING



CELL TO CELL MOUNTING



BARRIER MATERIAL MOUNTING



FRAME MOUNTING

SOLUTION

- Excellent adhesion to polar substrates (steel, aluminum, PA/PI/PET)
- Reliable mounting performance over the whole vehicle lifetime
- Good die-cutting ability for converting processes
- Excellent dielectric breakdown resistance
- Clean of fibers acc. to VDA19
- Flame retardancy according to UL-94



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