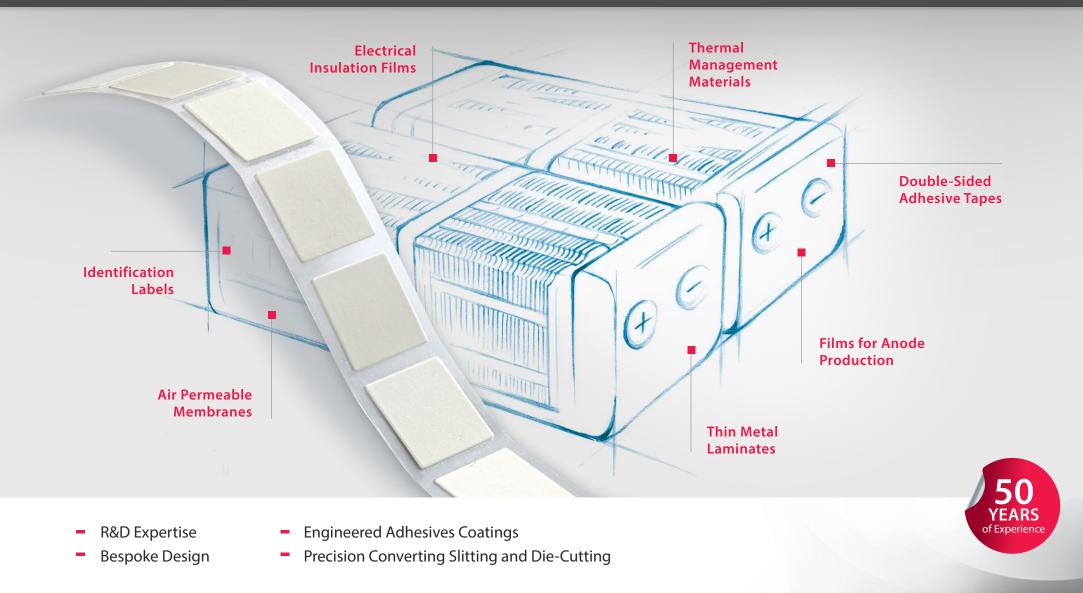
# **BATTERY Industry**





## **EV BATTERY adhesive solutions**

The fast-evolving industry of EVs, HEVs, PHEVs requires practical solutions to challenges in battery thermal management, electrical insulations, novelty processing applications, precision converting and die-cutting. PPI's range of novel technical adhesive products, with properties uniquely suited to the needs of the industry, is helping to achieve the goals of faster charging, higher capacity, longer life, and lighter weight.

### **ELECTRICAL INSULATION**

### Electrical Films for Battery Cell and Module Metal Parts Insulation:

- Wide range of backing materials and adhesives
- Working temperatures up to 400°C
- Flexibility to offer various thicknesses, roll widths and length per customer requirements.
- Available in Printed or Die-Cut form.

#### **Nomex Polyamide Paper Insulation Tapes**

• good temperature resistance, dielectric strength, mechanical toughness, flexibility, and flame retardancy

#### Polyimide Insulation Tapes for very high temperatures

### **EMI SHIELDING**

## Shielding Foils for reliable point-to-point electrical contact, inductive charging

- EMI shielding, grounding and static charge draining
- Metal foils: Aluminium, Copper, Tin Clad Copper
- Special foil/film based laminates and die-cut pieces available in a wide range of thicknesses to the customers design and specification

### Electrically Conductive Adhesive Tapes for grounding and shielding of Battery Components

Electrically Conductive Adhesive Transfer Tapes for bonding conductive material inside Battery Packs

## **EV BATTERY adhesive solutions**

### **THERMAL MANAGEMENT**

## Thermally Conductive Tapes for Thermal Management of Lithium Ion batteries

- effective thermal interface between the cooling device and the battery module
- Aluminium, Polyimide tapes, Acrylic heat transfer tapes
- die cut into a wide variety of forms which can offer considerable handling and application advantages

### **Thermally Conductive Acrylic Foam Heat Transfer Tapes**

- good thermal transfer, dielectric strength, adhesion & conformability
- supplied on a release paper carrier liner
- covered with a filmic liner for ease of handling and application

### **Specialist Thermally Conductive Laminates**

#### **Thermally Conductive Silicone Rubber Gap Fillers**

### **ADHESIVE BONDING**

### High Adhesion Tapes for Cell-to-Cell Bonding

- Single/Double-Sided Tapes
- Aluminium Heat Conductive Tapes
- Thermally Conductive TC Tapes

Battery Management System (BMS) Bonding

**Bonding of Thermistor Sensor to Cylindrical Cells** 

### **GENERAL MOUNTING**

### Mounting applications for Cells, Battery Modules and Battery Packs

- High Adhesion Double-Sided Tapes
- Adhesive Transfer Tapes
- Thermally Conductive Tapes

NEW

## **BATTERY Industry**

PPI Adhesive Products Ltd develops and manufactures an extensive range of technical adhesive products focused on the following application areas:

- Solve problems for thermal management of battery packs
- Guaranteed electrical parameters
- Ensure flame retardancy
- Reduced costs and time of assembly
- Ensure safe and efficient battery operation
- Automation compatibility
- Simpler design





#### **Contact PPI Adhesive Products regional sales representative**

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