

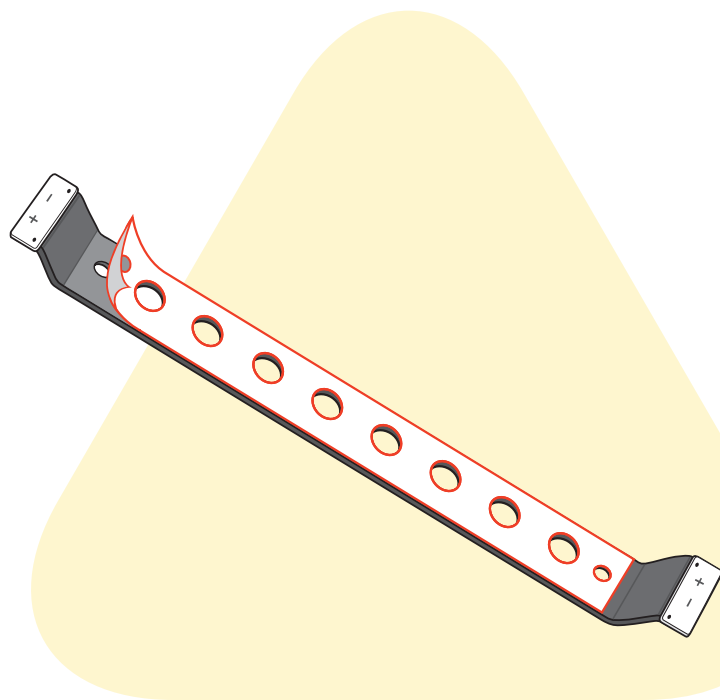
Flexible Busbars | EV Battery Solutions

Busbars offer flexibility, safety, and cost effectiveness in EV Battery applications.

Avery Dennison offers adhesives that protect these flexible, printed circuits. The adhesives provide electrical insulation and flame retardance.

Our flexible busbar adhesive solutions for EV batteries offer the following features:

- Double-coated, filmic carrier constructions
- Available with flame retardant adhesives tested in accordance with UL® 94 V-0
- Dielectric material and adhesives tested for breakdown voltage and dielectric strength requirements using GB/T 1408.1-2016 and ASTM D3755 test methods



Flexible Busbars Tape Product Portfolio

| Application | Product | Adhesive Type | Construction | Thickness without liner (mils) | Thickness without liner (µm) | Core Series™ Portfolio Item (Converter Use)* |
|--------------------------------|----------|---------------------------|--------------------------------|--------------------------------|------------------------------|--|
| Flexible Busbar Bonding | FT 8065 | Flame Tough™ Acrylic | Double Coated Flame Tough™ PET | 5.6 | 137 | |
| | FT 8076 | Flame Tough™ Differential | Double Coated Flame Tough™ PET | 6.0 | 146 | |
| | FT 8035 | Flame Tough™ Rubber | Double Coated Flame Tough™ PET | 5.6 | 137 | |
| | FBA 8960 | General Purpose Acrylic | Double Coated PET | 4.0 | 98 | • |

* The Core Series™ Portfolio is designed to make it easy for converters to quickly identify a product recommendation for their customers.

Avery Dennison EV Battery Tape Product Portfolio

The Avery Dennison EV Battery Portfolio includes a wide range of functional bonding and protection tapes, built on multiple pressure-sensitive adhesive technologies. These are engineered to make EV batteries safer, more efficient, and easier to assemble.

The portfolio can help you solve for some of the most common challenges in battery design and construction.



Reducing flammability

Acrylic- and silicone-based adhesives with Flame Tough™ flame-retardant properties that allow composites and materials to meet UL® 94 V-0 and other flame requirements.



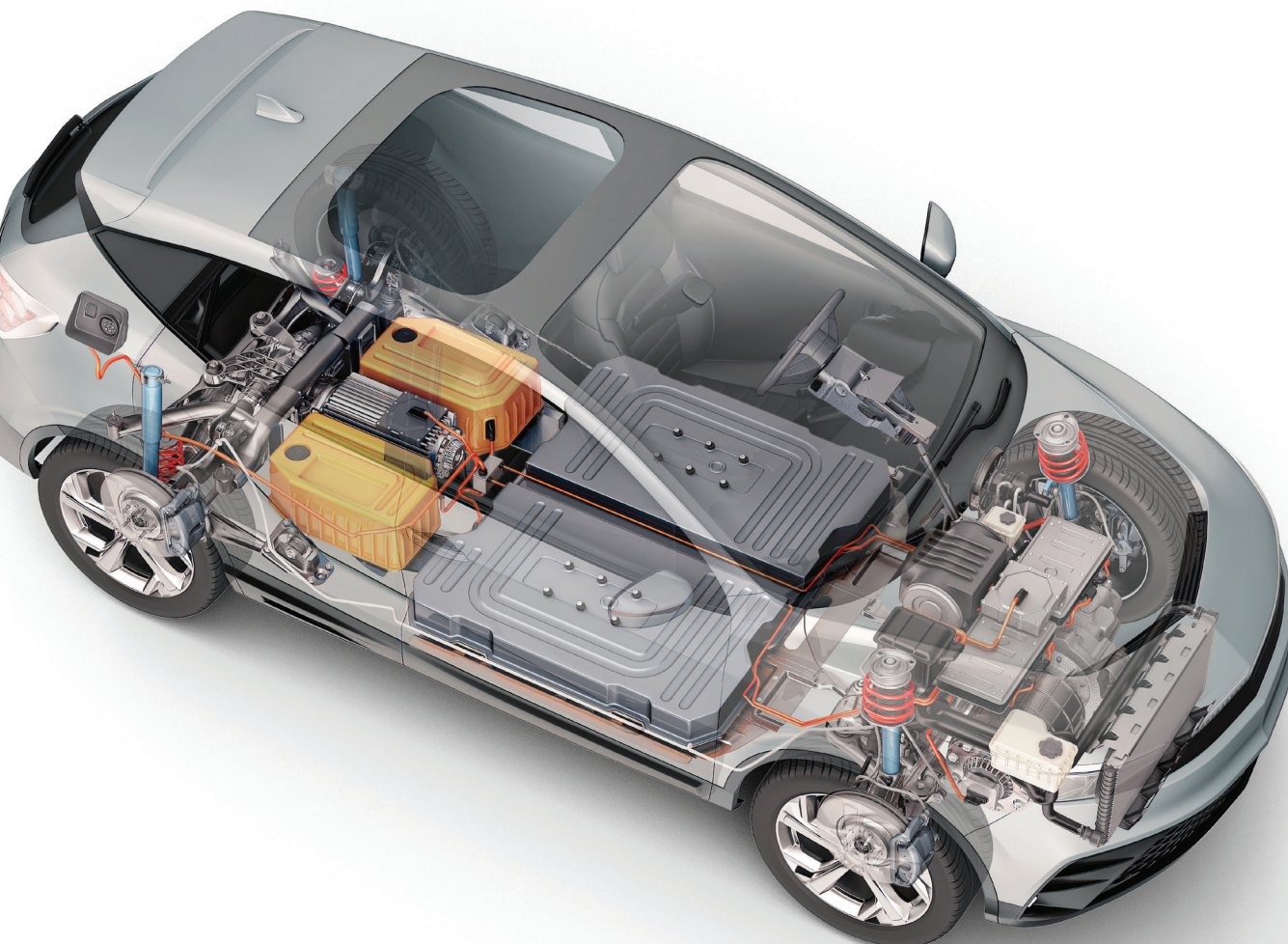
Boosting dielectric strength

Single- and double-coated tapes that incorporate dielectric films. Our materials and adhesives are tested for breakdown voltage and dielectric strength requirements using GB/T 1408.1-2016 and ASTM D3755 test methods.



Optimizing design and assembly

Functional tapes that can replace mechanical fastening methods while offering a thinner profile, lighter weight, repositionability and instant bond.



Avery Dennison EV Battery Tape Product Portfolio

| Application | Product | Adhesive Type | Construction | Thickness without liner (mils) | Thickness without liner (µm) | Core Series™ Portfolio Item (Converter Use)* |
|--|---------------|---------------------------|--------------------------------|--------------------------------|------------------------------|--|
| Cell to Cell Bonding | AFB™ 6111B | Acrylic Foam Bond | Double Coated Acrylic Foam | 43.3 | 1057 | |
| | AFB™ 6180B | | Double Coated Acrylic Foam | 31.5 | 769 | |
| | FT 8065 | Flame Tough™ Acrylic | Double Coated Flame Tough™ PET | 5.6 | 137 | |
| | FT 1165 | | Transfer Tape | 2.2 | 54 | |
| | FBA 8960 | General Purpose Acrylic | Double Coated PET | 4.0 | 98 | • |
| | FT 3014 | | Double Liner Transfer Tape | 4.0 | 98 | |
| | FT 1123 | | Transfer Tape | 3.3 | 81 | • |
| | HPA™ 1905 | High Performance Acrylic | Transfer Tape | 4.9 | 120 | • |
| Compression Pad Bonding | FT 8065 | Flame Tough™ Acrylic | Double Coated Flame Tough™ PET | 5.6 | 137 | |
| | FT 3065 | | Double Liner Transfer Tape | 2.2 | 54 | |
| | FT 1165 | | Transfer Tape | 2.2 | 54 | |
| | FT 8076 | Flame Tough™ Differential | Double Coated Flame Tough™ PET | 6.0 | 146 | |
| | FT 8035 | Flame Tough™ Rubber | Double Coated Flame Tough™ PET | 5.6 | 137 | |
| | FT 1135 | | Transfer Tape | 2.2 | 54 | |
| | FT 3075 | Flame Tough™ Silicone | Double Liner Transfer Tape | 2.3 | 56 | |
| | FBA 8960 | General Purpose Acrylic | Double Coated PET | 4.0 | 98 | • |
| FT 1123 | Transfer Tape | | 3.3 | 81 | • | |
| Electrical Insulation and Cell Wrapping | FT 0065 | Flame Tough™ Acrylic | Single Coated Flame Tough™ PET | 3.6 | 88 | |
| | FT 0965 | | Single Coated Flame Tough™ PI | 3.2 | 78 | |
| | FT 0975 | Flame Tough™ Silicone | Single Coated Flame Tough™ PI | 3.3 | 81 | |
| | FT 0072 | General Purpose Acrylic | Single Coated Conformable PU | 5.2 | 127 | |
| | FT 0045 | | Single Coated PET | 1.6 | 39 | |

* The Core Series™ Portfolio is designed to make it easy for converters to quickly identify a product recommendation for their customers.

Table continues next page

Avery Dennison EV Battery Tape Product Portfolio (continued)

| Application | Product | Adhesive Type | Construction | Thickness without liner (mils) | Thickness without liner (µm) | Core Series™ Portfolio Item (Converter Use)* |
|--|-----------|--------------------------|--------------------------------|--------------------------------|------------------------------|--|
| Pack Seal and Gasket Bonding | FT 8065 | Flame Tough™ Acrylic | Double Coated Flame Tough™ PET | 5.6 | 137 | |
| | FT 1165 | | Transfer Tape | 2.2 | 54 | |
| | FBA 8960 | General Purpose Acrylic | Double Coated PET | 4.0 | 98 | • |
| | FT 3014 | | Double Liner Transfer Tape | 4.0 | 98 | |
| | FT 1123 | | Transfer Tape | 3.3 | 81 | • |
| Heater Film Bonding | FT 1165 | Flame Tough™ Acrylic | Transfer Tape | 2.2 | 54 | |
| | FT 1135 | Flame Tough™ Rubber | Transfer Tape | 2.2 | 54 | |
| | FT 1123 | General Purpose Acrylic | Transfer Tape | 3.3 | 81 | • |
| | HPA™ 1905 | High Performance Acrylic | Transfer Tape | 4.9 | 120 | • |
| Thermal Interface Material Bonding | FT 1135 | Flame Tough™ Rubber | Transfer Tape | 2.2 | 54 | |
| | FT 3075 | Flame Tough™ Silicone | Double Liner Transfer Tape | 2.3 | 56 | |
| | FT 3014 | General Purpose Acrylic | Double Liner Transfer Tape | 4.0 | 98 | |
| | FT 1123 | | Transfer Tape | 3.3 | 81 | • |
| | HPA™ 1905 | High Performance Acrylic | Transfer Tape | 4.9 | 120 | • |
| Thermal Runaway Barrier Bonding and Encapsulation | FT 8065 | Flame Tough™ Acrylic | Double Coated Flame Tough™ PET | 5.6 | 137 | |
| | FT 3065 | | Double Liner Transfer Tape | 2.2 | 54 | |
| | FT 0065 | | Single Coated Flame Tough™ PET | 3.6 | 88 | |
| | FT 0965 | | Single Coated Flame Tough™ PI | 3.2 | 78 | |
| | FT 1165 | | Transfer Tape | 2.2 | 54 | |
| | FT 8035 | Flame Tough™ Rubber | Double Coated Flame Tough™ PET | 5.6 | 137 | |
| | FT 1135 | | Transfer Tape | 2.2 | 54 | |
| | FBA 8960 | General Purpose Acrylic | Double Coated PET | 4.0 | 98 | • |
| | FT 3014 | | Double Liner Transfer Tape | 4.0 | 98 | |
| | FT 8383EZ | General Purpose Rubber | Double Coated PET | 3.3 | 81 | |

*The Core Series™ Portfolio is designed to make it easy for converters to quickly identify a product recommendation for their customers.

Go beyond bonding with Avery Dennison: Expansive product selection, plus customization and testing capabilities

The Avery Dennison EV Battery portfolio offers multi-functional solutions that draw from our expansive portfolio of pressure-sensitive tapes and adhesives. We have a long track record in the automotive segment and are relied upon by OEMs and tier suppliers across the industry. Our products meet OEM specifications for a wide range of applications.

Beyond bonding means we also welcome the opportunity to collaborate with automotive OEMs and tier suppliers to develop custom tape solutions. You'll enjoy access to testing facilities and pressure-sensitive adhesive experts who understand the challenges engineers face. We can work together to produce one-of-a-kind products that give you the advantage you seek.

Collaboration

- Global reach
- New product development for custom solutions for applications
- Business development and specification support for emerging applications
- Application engineering and technical support

Testing

- ISO 17025 certified laboratory
- Online tool offering easy access to our database of OEM certifications
- Industry-standard testing and custom application testing
- Traditional pressure-sensitive adhesive bulk property testing (peel, tack and shear)
- Environmental conditioning (temperature, humidity, UV, chemical and more)
- Flame performance and dielectric strength testing at the tape and composite level



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Performance
Tapes