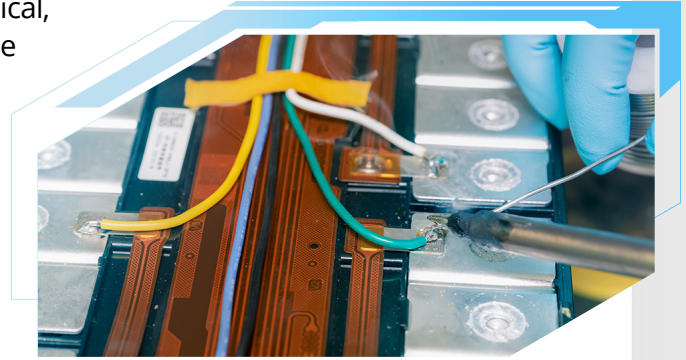


Fralock is a key partner in the development of custom component solutions for battery module and pack manufacturers in sectors such as aerospace and defense, medical, motive industrial, stationary telecom, grid-based energy storage systems, and more. We partner with our customers in design, engineering, prototyping, and manufacturing to provide advanced material components that ensure optimal product performance and safety.

Fralock offers a wide array of material solutions from thermal interface and fire stop materials to flexible electronics and ceramic components.



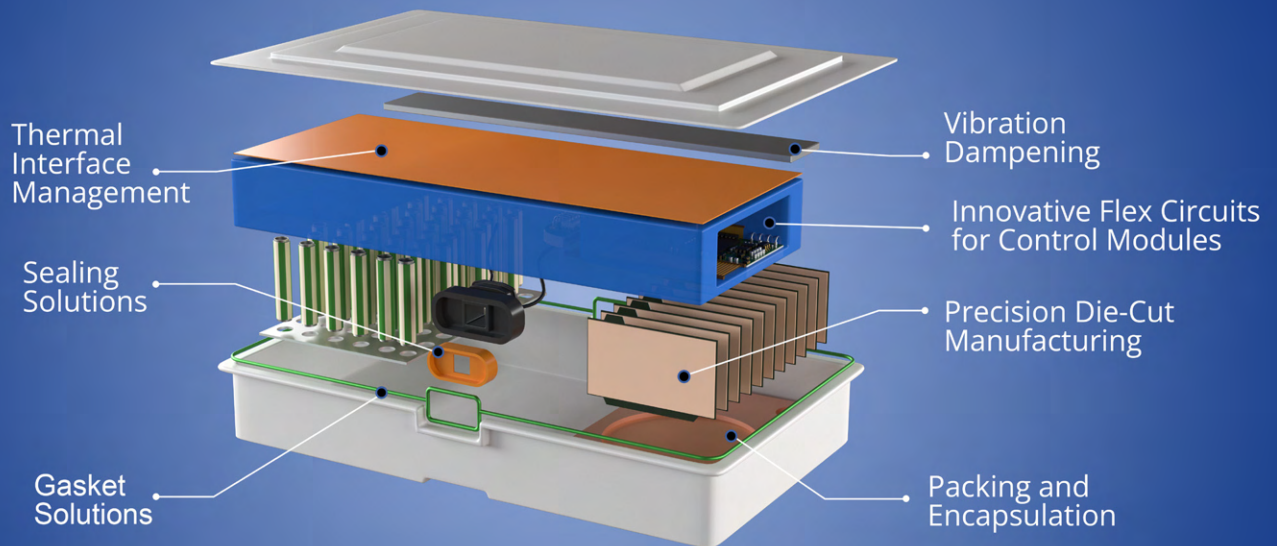
Why Consider Fralock?

Fralock has built its reputation as a problem solver by leveraging our expertise in material selection and manufacturing, and “designing in quality” from the start.

FRALOCK SOLUTIONS

Fralock offers a multitude of components for a variety of functions required for battery operation.

BATTERY PACK APPLICATIONS



CUSTOMER TESTIMONIAL



After an extensive search for a reliable supplier we found Fralock. Once we engaged, we found that Fralock was the only one of several supplier candidates capable of holding our required tolerances. In addition, Fralock provided a quick turn prototype to prove their capability. Our engineering department immediately involved our Supply Chain Team, and we've now found the supplier that brings both Quality & Capability.

– Design Engineer, Rechargeable Battery Manufacturer





COMPONENT APPLICATIONS

Thermal Management

Thermal Interface Solutions - Silicone and Graphite-Based Materials, Gap Fillers, Thermal Stops/Blocks (DuPont™ Cirlex®)



Electrical Insulation - Polyimide Materials (DuPont™ Kapton®), Fire-Retardant Polycarbonates, Fire-Retardant Polyethylene



Sealing Solutions – Seals, Gaskets, Pads

Environmental Sealing – Protection from outside dust, dirt, wind, and moisture. Foams, Rubbers, Elastomers

Flexible and Rigid Flex Circuits and Heaters

Fralock offers all-polyimide “adhesiveless” technology, which provides superior performance and durability, in addition to traditional flex technology. From large format flat power cables to compact signal circuits



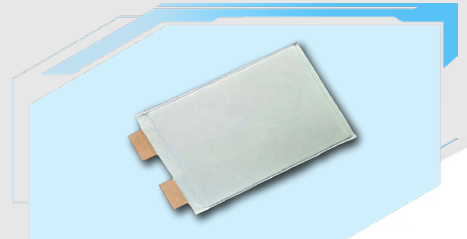
Thermal Runaway Barriers - Fire-Retardant Foams and Films

EMI/RFI Shielding - Electrically Conductive Elastomers, Wire Mesh, Engineered Laminates



Vibration Dampening and Sudden Impact Ruggedization - Foams, Rubbers

Component Manufacturing - Turnkey Fabrication



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Get in touch with us to discuss your project

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