

Thermal Management Solutions



LIGHTWEIGHT MULTI-LAYERED COMPOSITES AND MATERIAL SOLUTIONS TO SOLVE YOUR THERMAL MANAGEMENT CHALLENGES WITHOUT ADDING EXCESSIVE MASS

- ▶ **Fix Vehicle Hot Spots**
- ▶ **Delay Heat Propagation**
- ▶ **Prevent Battery Arcing**
- ▶ **Cool & Protect Sensitive Electronics**
- ▶ **Prevent Thermal Runaway**

MARKETS & APPLICATIONS

Appliance
Aerospace & Defense
Automotive Heat Shielding
Automotive Interior Electronics
Consumer Electronics
Electric Vehicles
Energy Storage
Industrial
Thermal Runaway Mitigation

CONVERTING CAPABILITIES

Rotary & Flatbed Die-Cutting
Multi-Layer Laminating
Embossing
Microperforating
Slitting
Spooling
Printing
Ultrasonic Welding

VALUE ADDED SOLUTIONS

Automated Assembly
Kitting & Packaging

When you partner with JBC Technologies, we'll work with you to

Ensure

Design for Manufacturability

Maximize

Material Yield

Optimize

Part Presentation for Automated Assembly



Maintain consistent battery operating temperatures with die-cut flexible graphite

Improve cabin comfort with lightweight composite thermal acoustical barrier material

Add dielectric strength by laminating specialty adhesives to performance materials

Insulate battery packs and modules from environmental temperatures with high temperature insulation

Achieve multiple performance benefits by layering multiple materials into one functional part

Block heat transfer with specialty die-cut thermal barrier material

www.jbc-tech.com

JBC Technologies is a leader in providing high-quality die-cutting and material converting solutions. From seals, cushions and gaskets to lightweight heat shields and battery components, we make die-cut parts that match your high standards and benefit both your products and manufacturing process.

Ask us about our Rapid Prototyping Services!

