

# ENGINEERED MATERIALS FOR EV BATTERIES

## BATTERY HOUSING/COVER

OnForce™ Long Glass Fiber Reinforced Polypropylene Composites  
Complēt™ Long Fiber Reinforced Structural Thermoplastics

- Metal replacement
- Lightweighting
- Flame retardancy
- Structural performance
- Design integration & freedom

Polystrand™ Continuous Glass Fiber Reinforced Thermoplastics

- Localized biaxial reinforcement
- Impact performance
- Overmolding compatibility
- Flame retardancy
- Integrated assembly point stiffening

## CELL MODULE

Therma-Tech™ Thermally Conductive Formulations

- Flame resistance
- Easy molding
- Good stiffness and mechanical strength
- Thermal conductivity

## COOLING SYSTEM

Therma-Tech™ Thermally Conductive Formulations

- Tensile strength
- Chemical resistance
- Thermal conductivity

## UNDERBODY PROTECTION

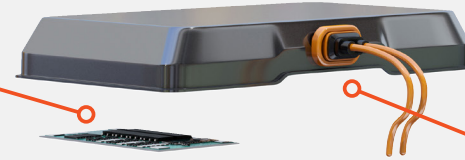
Polystrand™ Continuous Glass Fiber Reinforced Thermoplastics

- Superior impact performance
- Significantly lighter than steel
- Simplified integration with housing
- Corrosion resistance
- Flame retardancy

## BATTERY MANAGEMENT CONTROLLER

Stat-Tech™ Static Dissipative & Electrically Conductive Formulations  
Surround™ EMI/RFI Shielding Formulations

- Integrated EMI/RFI shielding
- Lightweight
- Easier to process vs metals



## BATTERY JUNCTION BOX

Stat-Tech™ Static Dissipative & Electrically Conductive Formulations  
Surround™ EMI/RFI Shielding Formulations

- Integrated EMI/RFI shielding
- Lightweight
- Easier to process vs metals

## EV CONNECTOR

Edgetek™ PKE Polyketone Formulations

- Excellent chemical resistance
- Low moisture uptake
- Non-halogenated flame retardant performance
- Colorable (RAL Orange)
- Reduced carbon footprint vs PA6 and PA66

## HOUSING TRAY

OnForce™ Long Glass Fiber Reinforced Polypropylene Composites  
Stat-Tech™ Static Dissipative & Electrically Conductive Formulations  
Polystrand™ Continuous Glass Fiber Reinforced Thermoplastics

- Design integration & freedom
- Structural performance
- EMI shielding

## BATTERY FRAME

Maxxam™ FR Flame Retardant Polyolefin Formulations  
Edgetek™ Engineered Polymer Formulations  
Polystrand™ Continuous Glass Fiber Reinforced Thermoplastics

- Flame resistance
- Easy molding
- Lightweight
- Non-halogenated flame retardant

## MODULE CONNECTOR

Therma-Tech™ Thermally Conductive Formulations

- Flame resistance
- Easy molding
- Good stiffness and mechanical strength
- Thermal conductivity