

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

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

CELL MODULE

Therma-Tech™ Thermally Conductive Formulations

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

HOUSING TRAY

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

- Design integration & freedom
- Structural performance
- EMI shielding

COOLING SYSTEM

Therma-Tech™ Thermally Conductive Formulations

- Tensile strength
- Chemical resistance
- Thermal conductivity

MODULE CONNECTOR

Therma-Tech™ Thermally Conductive Formulations

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

BATTERY FRAME

Maxxam™ FR Flame Retardant Polyolefin Formulations
Edgetek™ Engineered Polymer Formulations

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