

BOS

BATTERY S FRAME

AVIENT SOLUTION

Nymax™ REC Recycled Nylon Formulations and
Therma-Tech™ Thermally Conductive Formulations

WHY AVIENT?

- Provided multiple polymer solutions for the battery frame including recycled nylon, thermoplastic elastomers and thermally conductive formulations
- Utilized recycled nylon with up to 35% glass fiber content to provide high strength for load-bearing parts at a low thickness to minimize weight
- Enabled customer to launch a new innovative battery system with a modular design for use in multiple applications – maximizing the working life of the battery

LEARN MORE

KEY REQUIREMENTS

- Recycled materials where possible
- Non-halogen flame retardant performance to V0 rating
- BOS company color RAL9004 (on visible parts)
- Thermal performance for some parts
- High strength at low thickness for load-bearing parts