



BATTERY TRAYS

BENEFITS OF THERMOPLASTIC-BASED SOLUTIONS

- Part integration
- Weight reduction
- Thermal insulation
- Potential cost savings

APPLICATION REQUIREMENTS

- Chemical resistance
- Bonfire (external fire) test
- Structural impact integrity

MATERIAL REQUIREMENTS

- Chemical resistance
- Built-in intumescence
- Stiffness & strength

| POTENTIAL MATERIALS | NOTES |
|---------------------------------|---|
| STAMAX™ 30YH570 (FR 30%LGF-PP) | Enhanced FR performance vs STAMAX™ 30YH515; enhanced impact vs SABIC® PPc H1030 |
| STAMAX™ 30YH515 (FR 30%LGF-PP) | Enhanced impact vs SABIC® PPc H1030 |
| SABIC® PPc H1030 (FR 30%SGF-PP) | Intumescent; low wall thickness |

This application solution has been developed and verified under SABIC’s BLUEHERO™ initiative—an expanding ecosystem of materials, solutions and expertise designed to help accelerate the shift to electrification. Through BLUEHERO, SABIC offers a global team of specialists with expertise in the design, development and testing of material solutions for EV battery systems and related EV components.

