



BATTERY COVERS

BENEFITS OF THERMOPLASTIC-BASED SOLUTIONS

- Weight reduction
- Thermal blanket elimination
- Potential to integrate array barriers

APPLICATION REQUIREMENTS

- Internal thermal runaway
- Dimensional stability
- Manufacturability
- EMI shielding (OEM specific)

MATERIAL REQUIREMENTS

- Built-in intumescence
- High flow
- Glass-filled grades

POTENTIAL MATERIALS	NOTES
STAMAX™ 30YH570 (FR 30%LGF-PP)	Injection & compression molding
STAMAX™ 30YH515 (FR 30%LGF-PP)	Injection & compression molding; lower FR vs STAMAX™ 30YH570
SABIC® PPc H1030 (FR 30%SGF-PP)	Injection & compression molding
STAMAX™ 30YH611 (FR 30%LGF-PP)	For thermoformed parts
SABIC® PPc H1090 (FR 30%SGF-PP)	For thermoformed parts

This application solution has been developed and verified under SABIC's BLUEHERO™ initiative—an expanding ecosystem of materials, solutions 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.

