



MODULE BOXES

BENEFITS OF THERMOPLASTIC-BASED SOLUTIONS

- Part integration
- Potential cost savings
- Inherent thermal barrier

APPLICATION REQUIREMENTS

- Flame retardancy
- High strength & stiffness

MATERIAL REQUIREMENTS

- V0 flame retardancy
- High strength & stiffness

POTENTIAL MATERIALS	NOTES
STAMAX™ FR 30YH570 (LGF-PP) resin	Injection & compression molding
STAMAX™ FR 30YH515 resin	Injection & compression molding; lower FR vs STAMAX™ FR 30YH570
SABIC® FR PPcompound FR H1030 (SGF-PP)	Injection & compression molding
VALOX™ 50% GF (PC/PBT) resin	Non FR; high HDT; higher stiffness vs STAMAX™ FR 30YH570 resin

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.

