



## 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 (in most cases)
- High strength & stiffness

| 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                              |
| VALOX™ 8090 (50%GF PBT/PET)     | Only non FR; high HDT; higher stiffness vs STAMAX™ 30YH570   |

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.

