



## AERO SHIELDS

### BENEFITS OF THERMOPLASTIC-BASED SOLUTIONS

- Weight reduction
- Improved aerodynamics
- Thermal insulation

### APPLICATION REQUIREMENTS

- Flame resistance at low wall thickness
- Good impact

### MATERIAL REQUIREMENTS

- Built-in intumescence
- High flow

POTENTIAL MATERIALS	NOTES
STAMAX™ FR 30YH570 (LGF-PP) resin	Stiffness; flame retardancy; impact
STAMAX™ FR 30YH515 resin	Stiffness; lower FR vs STAMAX™ FR 30YH570; impact
STAMAX™ FR 20YHXXX resin (under development)	Lower stiffness; higher FR vs STAMAX™ FR 30YH570; impact
STAMAX™ 30YM240 resin	Stiffness; impact

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.

