



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™ 30YH570 (FR 30%LGF-PP)	Stiffness; flame retardancy; impact
STAMAX™ 30YH515 (FR 30%LGF-PP)	Stiffness; lower FR vs STAMAX™ 30YH570; impact
STAMAX™ 20YH510 (FR 20%LGF-PP)	Lower stiffness; higher FR vs STAMAX™ 30YH570; impact
STAMAX™ 30YM240 (30%LGF-PP)	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.

