



BUSBARS

BENEFITS OF THERMOPLASTIC-BASED SOLUTIONS

- In-built thermal barrier
- Electrical insulation
- Cost saving vs PA6 solutions

APPLICATION REQUIREMENTS

- Dimensional stability
- Electrical insulation
- Built-in intumescence
- Orange color

MATERIAL REQUIREMENTS

- Orange color
- Flame retardancy
- High CTI

POTENTIAL MATERIALS	NOTES
VALOX™ FR 310SE0 (PBT) resin	High HDT & CTI
VALOX™ FR 553 resin	High HDT & CTI; high stiffness
SABIC® FR PPcompound H1030 (SGF-PP)	Intumescent; low wall thickness
STAMAX™ FR 30YH570 (LGF-PP) resin	Intumescent

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.

