



## 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™ 310SE0 (FR PBT)	High HDT
VALOX™ 553 (FR 30%GF PC/PBT)	High HDT; high stiffness
VALOX™ 771 (FR 35%MF/GF PC/PBT)	High HDT & CTI
SABIC® PPc H1030 (FR 30%SGF-PP)	Intumescent; low wall thickness
STAMAX™ 30YH570 (FR 30%LGF-PP)	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.

