



END PLATES

BENEFITS OF THERMOPLASTIC-BASED SOLUTIONS

- Electrical insulation
- Thermal insulation
- Elimination of secondary operations

APPLICATION REQUIREMENTS

- High strength
- High stiffness
- V0 flame retardance
- Chemical resistance

MATERIAL REQUIREMENTS

- V0 flame retardance
- High strength & stiffness
- Chemical resistance

POTENTIAL MATERIALS	NOTES
STAMAX™ FR 30YH570 (LGF-PP) resin	Higher chemical resistance vs CYCOLOY™ C6600 resin; high stiffness; higher impact vs PPc H1030
SABIC® PPcompound H1030 (SGF-PP)	Higher chemical resistance vs CYCOLOY™ C6600 resin; high stiffness
VALOX™ 50% GF (PC/PBT) resin (under development)	Non FR; high HDT; higher stiffness vs STAMAX™ 30YH570 resin
CYCOLOY™ C6600 (PC/ABS) resin	For side plates requiring less stiffness and high ductility

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.

