



SIDE CRASH ABSORBERS

BENEFITS OF THERMOPLASTIC-BASED SOLUTIONS

- Weight reduction
- Enhanced performance vs incumbent solutions

APPLICATION REQUIREMENTS

- Energy absorption
- Low-temperature energy absorption

MATERIAL REQUIREMENTS

- Good impact
- Low-temperature ductility

POTENTIAL MATERIALS	NOTES
XENOY™ HTX 950 (polyester) resin	E-coat capable; ductile energy absorption
XENOY™ 1103/CL101 (PBT) resin	Ductile energy absorption
STAMAX™ 30YM240 (LGF-PP) resin	High stiffness; energy absorption via brittle fracture
STAMAX™ FR 30YH570 resin	High stiffness; energy absorption via brittle fracture

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.

