



COOLING PLATES

BENEFITS OF THERMOPLASTIC-BASED SOLUTIONS

- Thermal insulation from environment
- Flexibility to enhance local heat transfer via design features

APPLICATION REQUIREMENTS

- Chemical resistance
- Flame retardancy
- Structural impact integrity

MATERIAL REQUIREMENTS

- Chemical resistance
- UL94 V0 FR
- Good impact

POTENTIAL MATERIALS	NOTES
STAMAX™ 30YH570 (FR 30%LGF-PP)	Injection moldable; higher chemical resistance vs CYCOLOY™ C3650
STAMAX™ 30YH611 (FR 30%LGF-PP)	For extruded solutions
CYCOLOY™ C3650 (AMR), CE3510 (EUR) (FR PC/ABS)	For thermoformability

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.

