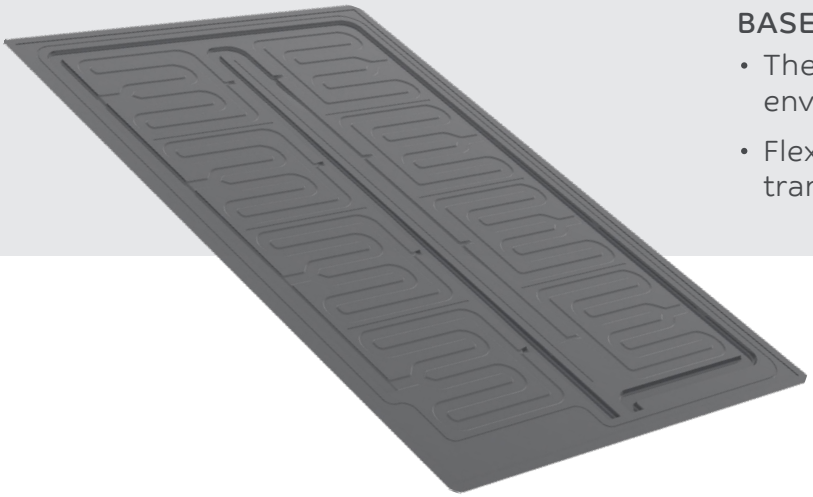
# COOLING PLATES



## 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™ FR 30YH570 (LGF-PP) resin | Injection moldable; higher chemical resistance vs CYCOLOY™ C3650 resin |
| Extrudable STAMAX™ FR resin | For extruded solutions |
| CYCOLOY™ C3650 (PC/ABS) resin | 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.

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