

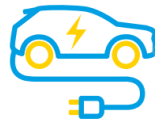
HYUNDAI IONIC 6 EV BATTERY MODULE COMPONENTS – COVER ASSEMBLY/END PLATE INNER/OVER-MOLDED BUSBAR

This application highlights the global industry-first use of SABIC polypropylene compound H1030 for EV battery module components of 2023 Hyundai IONIQ 6. This is a 30 percent glass fiber-reinforced, non-halogenated flame-retardant material that meets China’s GB/T 41467.3-2015 fire safety regulation for EVs surviving five minutes at 1,000°C. It brings cost and weight reduction compared to incumbent polyamide material and leads to increased productivity by reducing 4 cavity mold into 2 cavity mold.

SABIC VALUE PROPOSITION



WEIGHT SAVINGS



ENABLING ELECTRIC VEHICLES

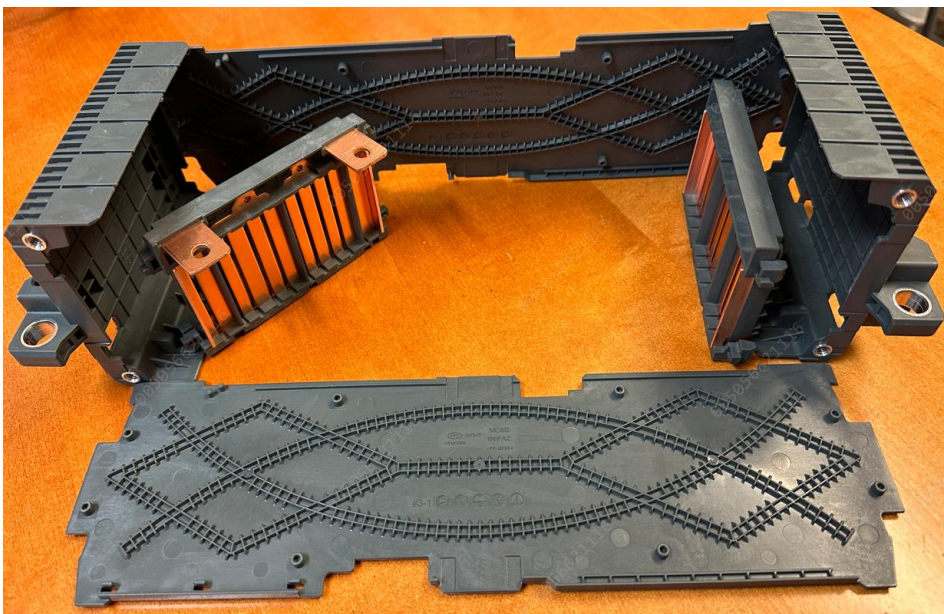


FLAME RETARDANT



DESIGN FREEDOM

Product Line	Grade	Glass Filler Loading	UL94 V0 Thickness (mm)	Melt Flow Rate (g/10 min)	Tensile Modulus (MPa)	Charpy Impact Notched (kJ/m2)
PPc	H1030	30	1.5	8, 230°C/ 2.16 kg	8700	8



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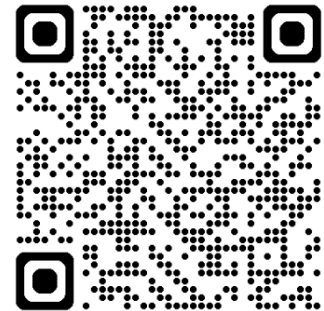
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