

## EV BATTERY BACK END PLATES

Construction of end plates today in die-cast aluminum can be costly with various machining and secondary operations required for multiple components. Use of thermoplastics from SABIC can deliver the required performance (thermal insulation, chemical and fire resistance, stiffness and strength), while delivering substantial cost savings by replacing multiple metal parts with a one-piece solution. Replacing metal can mean significant energy savings and fewer emissions from the manufacturing phase.

### SABIC VALUE PROPOSITION



STRENGTH



CHEMICAL RESISTANCE



FLAME RETARDANT



HIGH STIFFNESS

Product Line	Grade	Glass Filler Loading	UL94 V0 Thickness (mm)	Melt Flow Rate (g/10 min)	Tensile Modulus (MPa)	Charpy Impact Notched (kJ/m <sup>2</sup> )
STAMAX™	30YH570	30	1.3	-	7700	14
SABIC PPc	H1030	30	1.5	8, 230°C/ 2.16 kg	8700	8
VALOX™	420SE0	30	0.71	42, 250°C/5.0 kgf	10000	7



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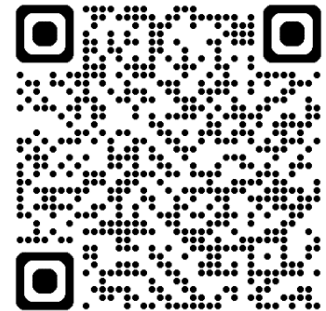
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