

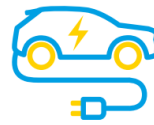
FLAME TESTED PLAQUE

Understanding the fire safety requirements for EV battery packs is essential, especially considering extreme thermal abuse scenarios under high battery load, as well as thermal runaway conditions. STAMAX™ 30YH570 resin is a high flow, halogen free, intumescent flame retardant PP with 30% long glass fiber, developed for battery pack applications offers enhanced fire performance, high stiffness and strength combined with good processing. It provides effective thermal insulation on exposure to flame and enhanced fire safety to prevent fire propagation because of intumescent char formation. It is suitable for top cover, bottom tray and thermal barrier applications within battery pack.

SABIC VALUE PROPOSITION



UNIQUE MATERIALS



ENABLING ELECTRIC VEHICLES



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 ²)
STAMAX™	30YH570	30	1.3	-	7700	14



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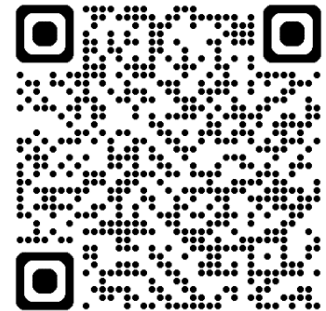
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