

FORD TRANSIT HIGH-VOLTAGE BATTERY BUSBAR

A first-of-its-kind material, SABIC FR PPc H1030, developed for high-voltage busbar insulation of the Ford Transit EV platform replaces conventional PA while maintaining high thermal resistance and dimensional stability. The material was engineered to enhance safety and mitigate risk in the event of thermal propagation. This application solution won the Electric and Autonomous Vehicle Systems category at the 2024 SPE® Automotive Innovation Awards, organized by the SPE Automotive Division. This annual competition honors the “most innovative use of plastics” in automotive components, systems, or vehicles.

SABIC VALUE PROPOSITION



WEIGHT SAVINGS



HEAT RESISTANCE



FLAME RETARDANT



COST SAVING

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)
SABIC® PPc	H1030	30	1.5	8, 230°C/ 2.16 kg	8700	8
VALOX™	553	30	0.9		9400	



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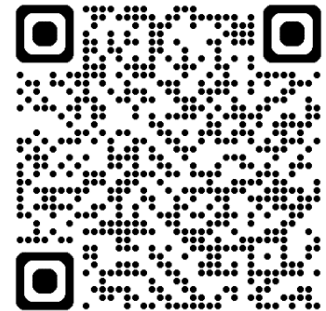
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