

Recent tests supporting the BLUEHERO initiative show that a battery module box made of SABIC's STAMAX(TM) 30YH570 long glass fiber polypropylene (PP) resin is effective in providing thermal insulation and flame resistance, a crucial factor in reducing catastrophic fire incidents in EVs.

The insulating properties of PolyPro FR and PolyPro EV make it an ideal solution for dielectric barriers within cylindrical cells and prismatic battery covings. G-Flex EV is a durable and low-density coated polyester with excellent wettability characteristics making it a great solution for separator films in all battery configurations.

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Our prepreg compression molded material is suitable for producing an EV battery housing unit that requires flame retardancy and high mechanical properties. Prepreg compression molded material benefits include short cycle times, superior dynamics, and the possibility for individualization and unique geometry.

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Depending on material and design requirements, SABIC's Specialties business can provide a number of materials for electric vehicle battery packs, including bus bar holders, covers, brackets, end plate assemblies and enclosures for battery management systems, control units, ...

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Web: <https://www.gennergyps.co.za>