

ELECTRIC VEHICLE SOLUTIONS FOR EVERY COMPONENT

Compared to traditional internal combustion engines, the technical performance criteria for Electric Vehicles goes beyond standard physical and mechanical properties. In these applications materials may need to overcome stringent requirements including high and/or continuous temperature, high voltage, chemical resistance and EMI shielding.

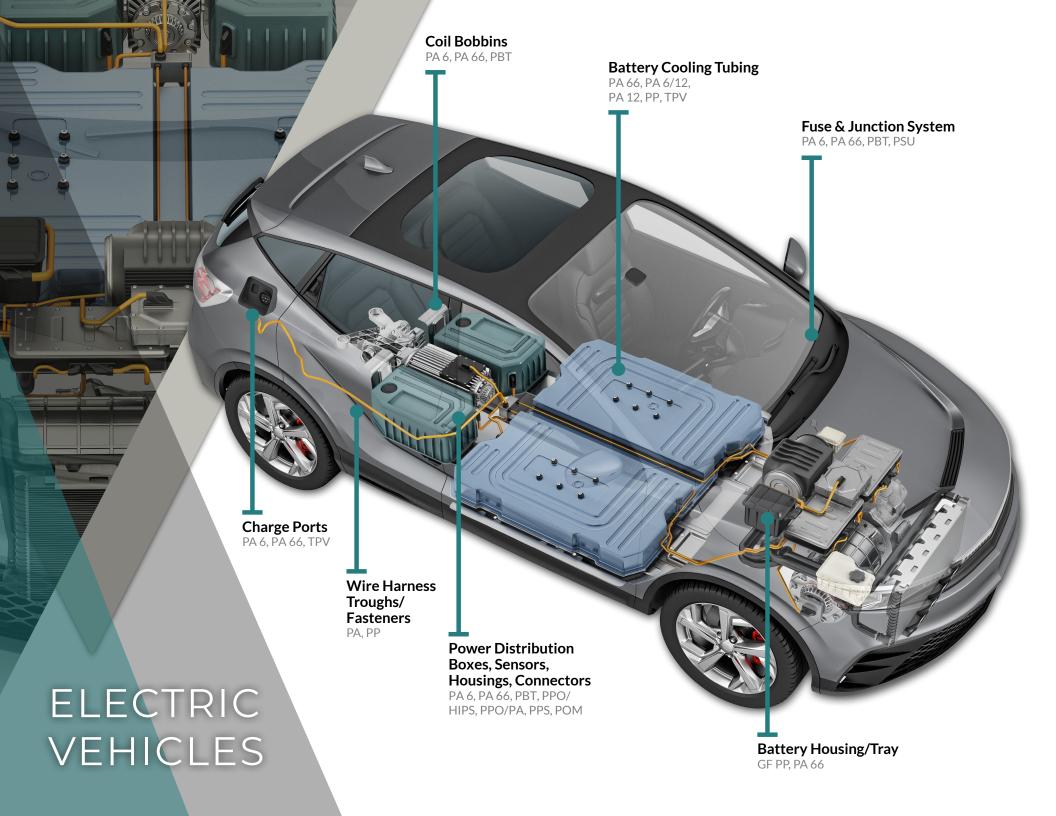
These new challenges mean new opportunities and with over thirty-five years of experience in the automotive sector, Entec's technical experts are ready to match your EV application specifications with the resin that best meets your project's needs.

Local Solutions. Global Reach.











ELECTRIC VEHICLES

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APPLICATION	KEY CRITERIA	POLYMER TYPE	SUPPLIER & BRAND
Coil Bobbins	Abrasion Resistance, Dimensional Stability, Heat Resistance, Low Temperature Toughness	PA 6, PA 66, PBT	 ASCEND: Vydyne® BASF: Ultradur®, Ultramid® CELANESE: Celanex® EMS-GRIVORY: Grivory® RAVAGO MANUFACTURING: EnViramid®, HYBRID, HYLON®
Battery Cooling Tubing	Chemical Resistance, Heat Resistance, Impact Resistance	PA 66, PA 6/12, PA 12, PP, TPV	 ASAHI KASEI: Thermylene® ASCEND: Vydyne® BASF: Ultramid® CELANESE: Santoprene® EMS-GRIVORY: Grivory® RAVAGO MANUFACTURING: EnViramid®, HYLON®
Fuse & Junction System	Dimensional Stability, Electrical Performance, Heat Resistance, Low Temperature Toughness	PA 6, PA 66, PBT PSU	 ASCEND: Vydyne® BASF: Ultradur®, Ultramid®, Ultrason® CELANESE: Celanex® EMS-GRIVORY: Grivory® RAVAGO MANUFACTURING: EnViramid®, HYBRID, HYLON®
Charge Ports	Dielectrical Strength, Dimensional Stability, Heat Resistance, High Voltage Resistance	PA 6, PA 66, TPV	 ASCEND: Vydyne® BASF: Ultramid® CELANESE: Santoprene® EMS-GRIVORY: Grivory® ENPLAST: ENFLEX® RAVAGO MANUFACTURING: EnViramid®, HYLON®
Wire Harness Troughs/ Fasteners	Chemical Resistance, Dimensional Stability, Heat Resistance, Stiffness & Strength	PA, PP	 ASAHI KASEI: Thermylene® ASCEND: Vydyne® BASF: Ultramid® RAVAGO MANUFACTURING: EnViramid®, HYLON®, MAFILL®, SCOLEFIN®
Power Distribution Boxes, Sensors, Housings, Connectors	Chemical Resistance, Dimensional Stability, Electrical Performance, Heat Resistance, High Voltage Resistance, Low Temperature Toughness	PA 6, PA 66, PBT, PPO/ HIPS, PPO/PA, PPS, POM	 ASAHI KASEI: Thermylene®, Xyron® ASCEND: Starflam®, Vydyne® BASF: Ultradur®, Ultramid®, Ultrason® CELANESE: Celanex®, Fortron® EMS-GRIVORY: Grivory® RAVAGO MANUFACTURING: EnViramid®, HYBRID, HYLON® TRINSEO: Magnum™, Pulse™
Battery Housing/Tray	Chemical Resistance, Heat Resistance, Impact Resistance	GF PP, PA 66	 ASAHI KASEI: Thermylene® ASCEND: Starflam® RAVAGO MANUFACTURING: MAFILL®, SCOLEFIN®