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Automotive Component Applications

Automotive component applications represent the market segment where PPS will continue to experience significant growth. In addition to exhibiting excellent elevated temperature performance and chemical resistance (to gasoline, engine/transmission fluids), there exist cost reduction benefits associated with increased productivity through injection molding. In recent years, PPS has successfully replaced metal, aromatic nylons (PPA, 46 nylon), phenolic polymers and bulk molding compounds (BMC) in a wide variety of engineered vehicle components. Due to the extensive DIC.PPS product portfolio, there exist products which will deliver the performance features required for even the most demanding component applications – ranging from the smallest electrical connector to the largest charge air cooler located under the hood of many globally produced vehicles. A wide range of DIC.PPS grades are used, in addition to the standard grades of glass fiber reinforced FZ-11XX & FZ-21XX Series and the FZ-36XX & FZ-66XX Series with excellent cost performance, the Z Series such as Super Tough Z-230 and Z-650 is expanding the application ranges due to its heat shock resistance, vibration and impact resistance required for automotive component parts.

Ignition/electrical system

Ignition coil casing, coil bobbins
Transistor ignition housings
IC regulators
Rectifier terminal blocks
Alternator brush holders
Fuse cases
Air conditioner hose clamps

Lighting system

Head light reflectors (projection type)
Bulb sockets

Fuel system

Fuel/intake air flow meters
Fuel pump impellers, housings
Throttle bodies
Throttle body valves
Exhaust gas control valves
Injector coil bobbins

Drive system

ABS system hydraulic pistons
Transmission servo pistons

Control system

Hybrid vehicle inverter components
Pressure sensors
Speed sensors
Position sensors
ECU control unit housings (engine, power steering...)
Solenoid valve bodies


Cooling system

Thermostat housings
Coolant pump impellers, housings
Radiator upper, lower



For inquires related to these products

 For inquires via the web

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