



Chassis/Hardware

Flexible PPS Fasteners for High Heat Applications

OEM/Vehicle

Ford Motor Company

2018 Ford F150

System Supplier

Lear Corporation

Material Processor

HellermannTyton

Material Supplier

Celanese

Resin

Fortron FX72T6 PPS



This first time application allows plastic (PPS – Polyphenylene Sulfide) to replace metal and/or shielded nylon in high heat fastener applications. A 50% weight savings was achieved via elimination of metal fasteners and the elimination of shielding with a cost savings of over \$20,000. Flexibility was maintained after high-heat exposure without shielding and assembly and ergonomics were improved. This technology is transferrable to many high-heat harness applications underhood or near the exhaust.