

CARBON FIBER ENGINE COVER

This production ready part combined Zoltek PX35 carbon fiber and PA6.6 to create a part that was lighter in weight with improved performance compared to the original cast aluminum version. The part mass was successfully reduced by 24% without sacrificing existing features such as engine mount integration or crank seal housing.

Carbon Fiber Engine Cover Key Features

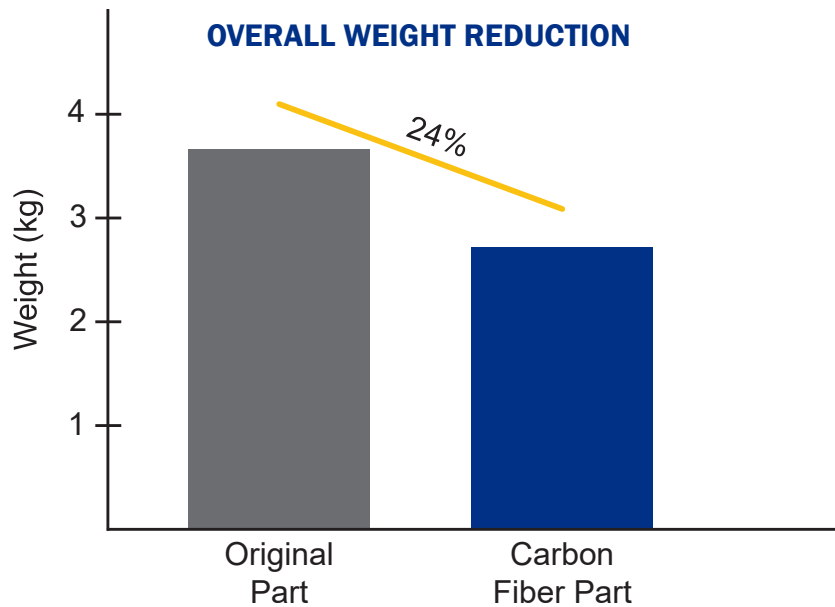
- Load Limiters at all through bolt interfaces
- Knurled Threaded Inserts at all attachment interfaces
- RTV Seal



PRODUCED WITH ZOLTEK PX35 NYLON COMPATIBLE CHOPPED FIBER



ZOLTEK PX35 Chopped Fiber is commonly compounded with general engineering thermoplastics (e.g., PC, Nylon, etc.) and high-temperature thermoplastic resins (e.g., PEEK, PEI, etc.). The resulting composite offers high strength-to-weight and stiffness-to-weight ratios. Our chopped fibers have a high bulk density value, which allows for cleaner and more consistent flow rates. They also distribute easily during compounding, thereby improving process and product performance.



MATERIAL OVERVIEW	SI	US
Sizing Content	2.75% by weight	
Moisture Content	0.20% maximum	
Unpacked Bulk Density (minimum)	425 g/L	26.5 lb/ft ³
Fiber Length (nominal)	6 mm	0.25 inch

**Fiber properties generated using ASTM standard methods.*

The properties listed in this datasheet do not constitute any warranty or guarantee of values. This information should only be used for the purposes of material selection. Please contact us for more details.