

LIGHTWEIGHTING + DURABILITY

OFF-ROAD VEHICLE MANUFACTURER

ENGINE BRACKET

AVIENT SOLUTION

Complēt™ Long Carbon Fiber PA66 Composite

WHY AVIENT?

- Reduced weight by 40% with zero fatigue failures during extensive field testing
- Provided technical support to optimize design for metal-to-composite conversion
- Delivered composite solution with similar system cost and more robust performance than failure prone aluminum version

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KEY REQUIREMENTS

- Exceptional structural properties with extremely high stiffness and strength across a broad temperature range (-40 to 160°F)
- Excellent creep resistance and fatigue endurance
- Lower weight with no reduction in performance