



Mercedes-Benz

## Mercedes AI-CFRP Hybrid Body

The Mercedes-AMG GT R is a road-going sports car with racing genes, going from zero to 100 km/h in only 3.6 seconds and reaching a top speed of 318 km/h. The 4.0-liter V8 bi-turbo engine is at the heart of the powertrain with 585 horsepower and a torque of 700 Nm. To bring this impressive performance to the road, the AMG GT R development team used six new and innovative composite materials and processing technologies, as well as cutting-edge design methods, to drastically reduce the overall vehicle weight and optimize the power to weight ratio.

Category:  
**Full Vehicle**

Application:  
**2016 Mercedes-AMG GT R**

Weight Savings:  
**33%**  
mass reduction over  
previous model

Methodology:  
**Material Replacement**

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