

# UNITI ELECTRIC CAR

ZOLTEK PX35 carbon fiber is featured on the new Uniti Electric car. The Uniti Electric car is a high performance digital electric vehicle created with sustainability in mind and ideally suited for crowded urban areas. PX35 carbon fiber is a 50K filament that maintains stringent industry standards while significantly reducing the overall weight of the vehicle.

**By utilizing approximately 20kg of Zoltek PX35 carbon fiber, Uniti was able to create an electric car that is lightweight without sacrificing safety or comfort.**



**PX35 carbon fiber has superior mechanical properties with just 25% of the density of steel at a price point competitive with aluminum and fiberglass.**



## CONTINUOUS TOW (50K)

ZOLTEK's Continuous Carbon Fiber Tow is the premier commercial carbon fiber on the market. It is a 50K filament fiber available in a range of sizings for optimal processing and compatibility with a variety of resin systems.

MATERIAL OVERVIEW	SI	US
Tensile Strength	4,137 MPa	600 ksi
Tensile Modulus	242 GPa	35 msi
Elongation	1.5%	
Electrical Resistivity	0.00155 ohm-cm	0.00061 ohm-in
Density	1.81 g/cc	0.065 lb/in <sup>3</sup>
Fiber Diameter	7.2 microns	0.283 mils
Carbon Content	95%	

**DNV-GL Approved**  
**Processing Support Available**  
**Spool to Spool Consistency**