

ZOLTEK™ PX35 AUTOMOTIVE PULTRUSION

DESCRIPTION

Pultrusion is a cost-effective, continuous process for producing fiber-reinforced composite parts. PX35 carbon fiber tows are fed into our proprietary impregnation and curing process that creates smooth carbon fiber laminates that provide efficient laydown when building thickness. The specific fiber alignment achieved with pultrusion delivers consistently better overall properties in laminates than any other composite manufacturing process.



MATERIAL CHARACTERISTICS

- High-Strength
- High-Stiffness
- Low Density
- Corrosion Resistant
- High Fiber Volume
- Nearly Zero Void Content
- Locked-in Filament Alignment

CERTIFICATION

PX35 Pultruded Profiles are manufactured in accordance with ZOLTEK's written and published data. A Certificate of Conformance is provided with each shipment.

SAFETY

Obtain, read, and understand the Material Safety Data Sheet (SDS) before use of this or any other ZOLTEK product.

ABOUT ZOLTEK

ZOLTEK helps companies use our commercial-grade carbon fiber in high-volume automotive applications. Our growing range of intermediate products are well-suited for advanced automotive processing technologies. With manufacturing capabilities in Europe, the United States and Mexico, as well as, a quickly expandable capacity, ZOLTEK has become the supplier of choice for high volume auto applications.

COMPOSITE PROPERTIES

	SI	US
Resin Type	Vinylester	
0° Flexural Strength	1074 MPa	156 ksi
0° Flexural Modulus	126 GPa	18 Msi
ILSS	59 MPa	9 ksi
90° Tensile Strength	29 MPa	4 ksi
0° Tensile Modulus	134 GPa	19 Msi