Description
Polyspeed® Pultruded Carbon Laminates are unidirectional carbon fiber laminates manufactured as continuous cross-section profiles with a polyurethane matrix. A controlled resin and fiber content results in a profile with consistent quality, weight and mechanical properties. Laminate widths range from 50 - 250mm.

Polyspeed® Pultruded Carbon Laminates are available with different surfaces to meet requested adhesion properties.

Benefits and Features
- Excellent translation of the fiber mechanical properties into the finished structure
- Combines high fracture toughness and high compression properties
- Excellent coupling to other thermosetting resins
- Can be used in combination with infusion and/or prepreg processes
- High structural properties and impact performance
- Low shrinkage - excellent surface quality – dimensional accuracy
- Corrosion and abrasion resistance
- Up to 160 GPa @ 1.4 % elongation at break
- Laminate density: 1.5 g/cm³
- Laminate Tg >120°C

Precautions for Use
The usual precautions when handling uncured synthetic resins and fine fibrous materials should be observed, and a Safety Data Sheet is available for this product. The use of clean disposable inert gloves provides protection for the operator and avoids contamination of material and components.

For more information
Hexcel is a leading worldwide supplier of composite materials to aerospace and industrial markets. Our comprehensive range includes:

- HexTow® carbon fibers
- HexForce® reinforcements
- HiMax™ Multiaxial reinforcements
- HexPly® prepregs
- HexFlow® RTM resins
- Redux® adhesives
- HexTOOL® tooling materials
- HexWeb® honeycombs
- Acousti-CAP® sound attenuating honeycomb
- Engineered products

For US quotes, orders and product information call toll-free 1-800-688-7734. For other worldwide sales office telephone numbers and a full address list, please go to:

http://www.hexcel.com/contact/salesoffice

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