



# P185 BURST AND IMPACT RESISTANCE

**P185 multi-end roving is specifically designed to produce composites parts allowing high mechanical properties in filament winding, pultrusion, and weaving processes.**

- Excellent resin-to-glass binding through uniform distribution of the binding agent results in maximum strand integrity.
- Available for internal and external unwinding technologies to optimize the fiber placement.
- Produced with patented Advantex® corrosion resistant E-CR glass by Owens Corning.
- Compatible with polyester, vinyl ester, and epoxy resin systems.

## FOR PULTRUSION, FILAMENT WINDING, AND WEAVING

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### Product Benefits

#### Excellent Processing

- Features easy unwinding and excellent package run-out for uniform dispersion with low fuzz and static, which means less cleanup and better machine efficiencies.
- Fast wet-out and high resin pick-up equate to increased quality in the parts' visual aspect after molding

#### Multi-resin Compatibility

- Designed for excellent adhesion with polyester, vinyl ester, and epoxy resin systems. Multi-compatibility allows a change in resin systems without the need for the time-consuming effort of changing glass in the creel.

#### Enhanced Service Life & Durability

- Compared to standard E-glass, Advantex® glass helps with enhanced service life in applications facing corrosion.
- Optimal placement of the reinforcement thanks to a zero-twist product design.

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### Applications

P185 is suitable for use in the manufacturing of pressure vessels and parts protecting against impact.

**Technical  
Characteristics****LINEAR WEIGHT (TEX)  
ISO 1889**

1200/2400

**LOSS ON IGNITION (%)  
ISO 1887**

0.6

**MOISTURE (%)  
ISO 3344**

≤0.20

**Availability & Packaging**

MANUFACTURING REGION	PRODUCT	LENGTH (M)	WEIGHT (KG)	LAYERS PER PALLET	DOFFS PER LAYER	PALLETS SIZE (CM)
Europe	P185 1200	17000	21	4	16	114 x 114 x 120
	P185 2400	8500				
	P185 1200	8500	10		96	120 x 80 x 120
	P185 2400	2450				

Each doff of P185 is protected by a polythene film, which should not be removed when it is used, identified by an individual label. P185 is available for internal and external unwinding with the use of inner cardboard tubes (75 mm internal diameter).

Each pallet can be packaged in bulk or Creel-Pak™ packaging format. Pallets are stretch wrapped for load stability and for protection during transport. All individual packages are wrapped with Tack-Pak™ packaging to aid package run-out and transfer. More information is available in the Customer Acceptance Standards.

**Labeling**

Each doff has a self-adhesive identification label showing the product description, net weight, and production date. Each pallet has at least two identification labels detailing the product reference, pallet net and gross weights, production date, and pallet production code.

**Storage**

It is recommended to store glass fiber products in a cool, dry area. The glass fiber products must remain in their original packaging material until the point of usage; the product should be stored in the workshop, within its original packaging, 48 hours prior to its utilization to allow it to reach the workshop temperature condition and prevent condensation, especially during cold season. The packaging is not waterproof. Be sure to protect the product from the weather and other sources of water. When stored properly, there is no known shelf life to the product, but retesting is advised after two years from the initial production date to ensure optimum performance.

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