Original Composites & Fiberglass

# P185
# MULTI-END ROVING

## Burst and impact resistance

**P185 multi-end roving is specifically designed to produce composite 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.
- Produced with patented Advantex® corrosion resistant E-CR glass.
- Available for internal and external unwinding technologies to optimize the fiber placement.
- Compatible with polyester, vinyl ester, and epoxy resin systems.

**FOR PULTRUSION, FILAMENT WINDING, AND WEAVING**

## 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.

## Application

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

## Technical Characteristics

| LINEAR WEIGHT OF ROVING (TEX) (G/KM) ISO 1889 | LOSS ON IGNITION (%) ISO 1887 | MOISTURE (%) ISO 3344 |
|---|---|---|
| 1200/2400 | 0.6 | ≤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

Unless otherwise specified, it is recommended that glass fiber products be stored in a cool, dry area. Recommended long-term storage conditions are temperatures between 10°C and 35°C and relative humidity between 35% and 85%. While temporary deviations may occur during storage or transportation, product performance can be confirmed through routine verification testing if exposure outside these conditions has occurred for an extended period. Glass fiber products should remain in their original packaging until the point of use. To help prevent condensation, keep product in its original, unopened packaging and allow it to naturally acclimate to the workshop temperature for at least 24 hours before opening or use. Packaging is not waterproof and should be protected from weather and other sources of moisture. Although fluctuations may occur during transportation, handling, and temporary storage, products should be maintained within the recommended storage ranges after receipt to help preserve product performance. A defined shelf life has not been established for the product when stored under recommended conditions. However, retesting is recommended after two years from the date of manufacture to help ensure optimum performance.

MAKE MORE POSSIBLE™

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