



# PULSTRAND® PRO41 ROVING MAKE MORE WITH LESS

**Pulstrand® PRO41 Roving is specifically designed to maximize production in pultrusion processes by reducing the number of glass doffs needed. High tex reduces floor space, improves downtime and labor, and provides the opportunity to make larger parts without compromising mechanical properties or processing.**

- Pulstrand® PRO41 is a single-end roving, designed for pultrusion, offering processing and laminate performance with multi-resin compatibility.
- Consistent glass/resin bonding in polyester, vinyl ester, polyurethane, acrylic, and epoxy resins, provides the processor maximum flexibility with one input glass. This reduces costly downtime and labor during job changes.
- Produced with patented Advantex® corrosion resistant E-CR glass by Owens Corning.

## MEETS THE HIGHEST STANDARD FOR PS4100

---

### Product Benefits

#### Reduced Cost

- 75% less floor space required to run your product line.
- Product change overs require fewer doffs and less labor.
- Space savings and large tex enables you to make larger parts with the same set-up.

#### Efficient Processing

- Smooth run-out combined with low fuzz properties results in smoother parts and less downtime for clean-up, enabling higher efficiencies and lower manufacturing costs.

#### Impressive Mechanical Properties

- Desirable shear and flexural properties in major resin systems, provide maximum part strength and long part service life.

---

### Applications

- Pultrusion applications in polyester, vinyl ester, polyurethane, and epoxy resin systems, using conventional dip bath or resin injection technology.
- Pultruded structural applications: ladder rails, grating systems, rebar and poles, etc.



**Technical Characteristics**  
(Single-End Roving)

The following data was generated using PulStrand® PRO41–28 Yield (17600 Tex) on pultruded part cross-section of samples: 1 inch by 0.125 inch (25.4 mm by 3.175 mm).

MECHANICAL PROPERTIES	FLEXURAL STRENGTH ASTM D790		INTER-LAMINAR SHEAR STRENGTH ASTM D 2344		FIBER WEIGHT FRACTION (%)
	Flexural Strength (ksi)	Flexural Strength (MPa)	Short Beam Strength (ksi)	Short Beam Strength (MPa)	
Polyester Resin	156	1075	6.5	45	80.7
Polyurethane Resin	208	1431	12.2	84	82.1

**Availability**

TEX	YIELD	REGION AVAILABLE
13800	36	China
17600	28	N. America
19200	26	Europe, China, India

**Packaging**  
(Standard Reference)

Rovings are available in a single-end internal-pull package. Each pallet weighs about 1 ton and 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 individual package is labeled with information including: product name, tex/yield, producing plant, and production date.

**Storage**

Glass fiber products should be stored in a cool, dry area. The glass fiber products must remain in their original packaging material until use; 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 weather. The packaging is not waterproof. Be sure to protect the product from the weather and other sources of water.

When stored properly, the product has no known shelf life issues, but retesting is advised after three years from the initial production date to insure optimum performance.



**Americas**

**Owens Corning Composite Materials, LLC.**  
One Owens Corning Parkway  
Toledo, Ohio, USA 43659  
1-800-GET-PINK®

**Europe**

**European Owens Corning Fibreglas Sprl.**  
166 Chaussée de la Hulpe  
B-1170 Brussels  
Belgium  
+32 3 674 8211

**Asia Pacific**

**Owens Corning Shanghai Regional Headquarters**  
40/F, Pudong Kerry Parkside,  
115 Fang Dian Road, Pudong,  
Shanghai, 201204, China  
+86-21-6101 9666

<https://www.owenscorning.com/composites> | [Composites@owenscorning.com](mailto:Composites@owenscorning.com)

This information and data contained herein is offered solely as a guide in the selection of product. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any responsibility or liability arising out of its use or performance. The user agrees to be responsible for thoroughly testing any application of the product to determine its suitability. Because of numerous factors affecting results, we make no warranty of any kind, express or implied, including those of merchantability and fitness for a particular purpose. Statements in this publication shall not be construed as representations or warranties or as inducements to infringe any patent or violate any law, safety code or insurance regulation. We reserve the right to modify this document without prior notice.