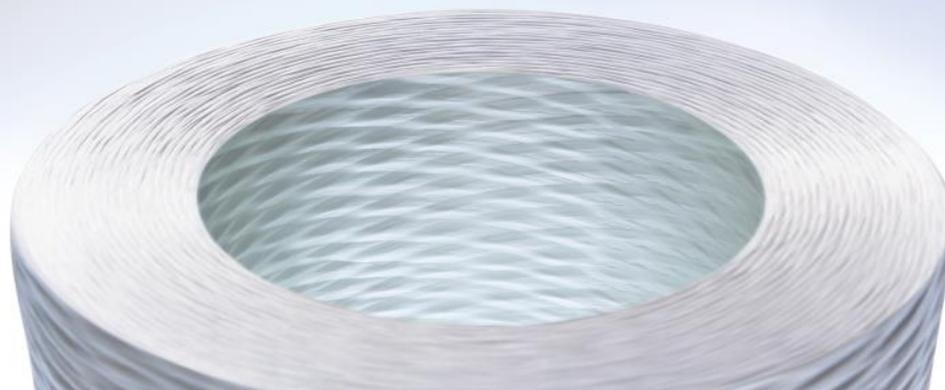


# PULSTRAND™ 2100 – TYPE 30® SINGLE-END ROVING

FOR PULTRUSION PROCESSES



## DESCRIPTION

- Pulstrand™ 2100 product is designed for the pultrusion market, for major resin systems, for both dip bath and resin injection technology, where high roving Tex is required to maximize creel space.
- Pulstrand™ 2100 product is manufactured using the Type 30® Roving state-of-the-art technology of Owens Corning, in conjunction with statistical process control in manufacturing facilities certified to ISO 9001.
- Pulstrand™ 2100 product is produced with Owens Corning's patented Advantex® corrosion resistant E-CR glass.

## BENEFITS

- **Very good processing:** Pulstrand™ 2100 product is designed for high Tex/high micronage, where creel space is an issue. Pulstrand™ 2100 product processes with low fuzz, resulting in smooth parts, and less downtime for clean-up, resulting in higher efficiencies and the potential of lower manufacturing costs.
- **Multi-resin compatible:** Pulstrand™ 2100 product is designed for excellent glass/resin bonding in polyester, vinyl ester, polyurethane, and epoxy resins, providing the pultruder maximum flexibility with one input glass. This saves cost, with less inventory to carry and helps eliminate the need for costly downtime and labor, to change input glass during job changes.
- **Very good strand wet out:** Pulstrand™ 2100 product has fast, uniform strand wet-out in major resin systems. Fast wet-out allows for optimized part production speed and increased productivity.
- **Very good laminate strength and fatigue properties in major resin systems** providing maximum part strength and long part service life.
- **Superior corrosion resistance with Advantex® E-CR Glass compared to standard E-glass:** Advantex® glass means longer part life and greater service life strength in applications facing corrosion. For additional information on Advantex® Glass:

<http://composites.owenscorning.com/aboutAdvantex.aspx>



## APPLICATIONS

Pultrusion applications in polyester, vinyl ester, polyurethane, and epoxy resin systems, where high tex roving is desired.

Pulstrand™ 2100 product wets quickly in resin, processes cleanly, with minimal fuzz, providing excellent runout and transfer where high tex, single end rovings are required to maximize creel space.



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**AVAILABILITY** – not all Tex available in all regions.

Yield	Tex
52, 56	8800, 9600

## TECHNICAL CHARACTERISTICS (Single-End Roving)

The following data was generated using production material PS2100 roving – 56 Yield (8800 Tex).

Mechanical properties	Flexural Strength ASTM D790		Interlaminar Shear Strength ASTM D 2344		Fiber Weight fraction (%)
	Flexural strength (ksi)	Flexural strength (MPa)	Short beam strength (ksi)	Short beam strength (MPa)	
Polyester Resin	119	820	4.43	30.5	82.9
Polyurethane Resin	216	1489	12.05	83.1	81.1

## PACKAGING

Rovings are available in a single-end internal-pull package. Each pallet weighs about 1 ton and is packaged in Bulk-Pak® packaging format. Pallets are stretch wrapped for load stability and for protection during transport. All doffs are wrapped with Tack-Pak® packaging to aid package run out and transfer. More information is available in the Customer Acceptance Standards.

## 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 three years from the initial production date to insure optimum performance.

### Americas

Owens Corning  
Composite Materials, LLC.  
One Owens Corning Parkway  
Toledo, Ohio 43659  
1.800.GET.PINK™

### Europe

European Owens Corning  
Fiberglas Sprl.  
166 Chaussée de la Hulpe  
B-1170 Brussels  
Belgium  
+32 2 674 8211

### Asia Pacific

Owens Corning - OC Asia Pacific  
Shanghai Regional Headquarters  
Unit 01, 02,05, 39/F, Pudong Kerry Parkside,  
1155 Fang Dian Road, Pudong, Shanghai,  
201204, China  
+86-21-6101 9666

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[SingleEndRoving@owenscorning.com](mailto:SingleEndRoving@owenscorning.com)  
[composites.owenscorning.com](http://composites.owenscorning.com)