



# SE 4121

## Single End Roving for Polypropylene Long-Fiber Thermoplastics

### PRODUCT DESCRIPTION

Single-End Rovings are produced by pulling individual fibers directly from the bushing and winding them onto a roving package ready for shipment. The uniform distribution of a proprietary sizing system ensures an excellent resin-to-glass binding through uniform distribution of the binding agent. This results in maximum strand integrity.

Single-End Rovings are manufactured using the T30® Roving state-of-the-art technology of OCV™ Reinforcements, in conjunction with statistical process control in manufacturing facilities certified to ISO 9001.



### PRODUCT APPLICATION

OC® SE 4121 is an advanced member of the Single-End Continuous Rovings (Type 30®) family. This product is specially designed for use in polypropylene long-fiber thermoplastic (LFT) applications. OC SE 4121 has a unique chemistry that is designed to be suitable with Direct-LFT processes as well as with pellets manufacturing. OC SE 4121 is also suitable for processes using long chopped fibers.



### FEATURES

• Excellent Processing

• Multi-Process Compatible

• Excellent Impregnation & Dispersion

• Mechanical Properties

• Global Manufacturing Locations & Availability

### PRODUCT BENEFITS

No Catenary  
Low Fuzz Properties that equate to low Cleanup & High Machine Efficiencies

Suitable for all D-LFT Processes as well as Pellets Manufacturing  
Choppable to Desired Length

D-LFT Processes show High Quality Dispersion within the Final Part  
Enhance Pelletization Quality

Unique Chemistry allow for Enhanced Mechanical Properties

Available Globally  
Manufactured Globally to Help Ensure Supply

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### PRODUCT AVAILABILITY

Tex (grams/kilometer)	Yield (Yards/Pound)
2400	207

### MECHANICAL PROPERTIES

The following data was generated using production material SE 4121 – 2400 Tex (207 Yield)

Pellet ( 12 mm )	Tensile Strength (MPa)	Flexural Strength (MPa)	Flexural Modulus (MPa)
PP resin + Glass content 50%	189	282	11,447

### PACKAGING

Rovings are available in a single-end internal-pull package. Each pallet weighs approximately 0.8 Metric Ton. Pallets are stretch wrapped for load stability. All doffs are wrapped with Tack-Pak<sup>®</sup> or shrinkable film for protection during transport. Full doffs are available in weights between 15 kg (33 lb.) and 19 kg (42 lb.), and they can be packaged in bulk or Creel-Pak<sup>®</sup> format. More information is available in the Customer Acceptance Standards.

### STORAGE

Unless otherwise specified, it is recommended to store glass fiber products in a cool, dry area. The packaging is not waterproof. Be sure to protect the product from the weather and other sources of water. The glass fiber products must remain in their original packaging material until the point of usage. If these conditions are maintained, the glass fiber product should not undergo significant changes when stored for one year. Beyond one year after delivery, the product might evolve, specifically if stored outside the recommended conditions.

Best storage conditions are temperatures between 22°C and 23°C, and humidity between 60% and 65%. The product should be stored in the workshop, within its original packaging, 48 hours prior to its utilization.



## OCV<sup>™</sup> Reinforcements

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